Strong on results.

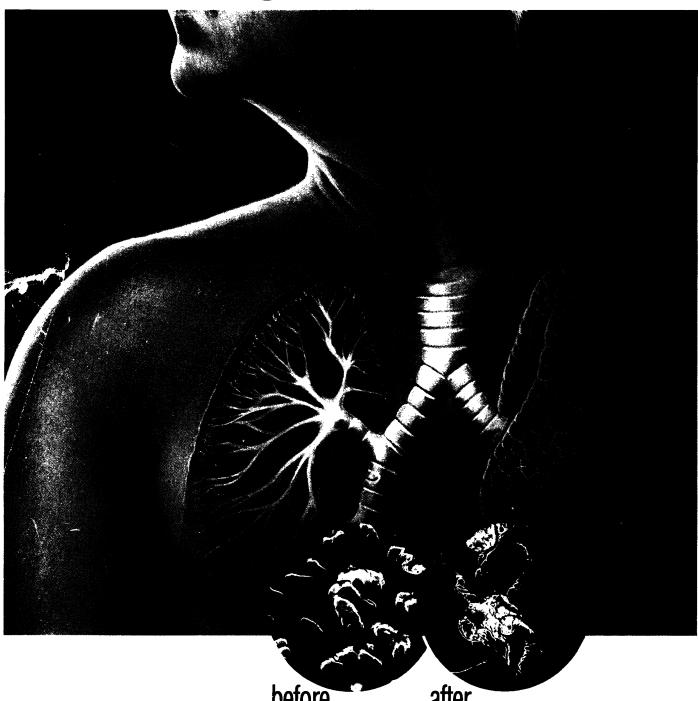


photo of H. influenzae seen through a scanning electron microscope. 5

after H. influenzae culture after 24 hours' incubation with Bactrim (trimethoprim and sulfamethoxazole/Roche) at 5 × MIC. Note long filaments and distorted shapes of bacteria.



Simple to take.

In acute exacerbations of chronic bronchitis

- Clears susceptible pathogens from sputum¹⁴
- Reduces cough and sputum volume¹⁴
- Reduces evidence of inflammation¹

Bactericidal in vitro against H. influenzae (nontypable strains)

Bactrim shows high activity in vitro against most strains of H. influenzae—even ampicillin-resistant strains. However, in vitro data do not necessarily correlate with clinical results.

In morphologic studies, 5 cultures of H. influenzae were exposed to Bactrim at $5 \times$ MIC. After just four hours, bacteria began to form filaments, indicating an alteration in the normal pattern of cell division. After 12 hours, virtually all bacteria had formed filaments. When these bacteria were removed and recultured in drug-free nutrient medium, almost all were unable to divide and form colonies—a result interpreted as demonstrating that, at the above concentration, the effect of Bactrim on the H. influenzae was bactericidal.

Also effective against susceptible strains of S. pneumoniae in vitro

In sputum cultures of S. pneumoniae, 91% of strains were susceptible to Bactrim.⁶ In acute exacerbations of chronic bronchitis involving S. pneumoniae or H. influenzae, sputum cultures taken seven days after a two-week course of therapy showed that Bactrim eradicated these bacteria in 91% (50 of 55) of the patients treated.⁵

Effective—and economical—antimicrobial therapy

In three double-blind studies, Bactrim DS b.i.d. was unsurpassed by ampicillin q.i.d.¹⁻³ And in ten clinical comparisons with tetracycline involving nearly 700 patients, Bactrim proved comparable on major clinical parameters: change in sputum purulence, reduction in sputum volume and microbiological clearance of pathogens.⁴

And equally important: the convenient and economical b.i.d. dosage of Bactrim DS is designed to encourage patient compliance.

Bactrim DS

(trimethoprim and sulfamethoxazole/Roche)

Consistent success on a b.i.d. schedule



Accountability

Required of a physician, required of a malpractice insurance company.

Malpractice insurers have come and gone over the last few years. At NORCAL we have kept our promises to our physician members. We were founded as a mutual insurance company to provide our physician members with quality malpractice insurance. We are still here—and still committed.

A physician has to be accountable to his patients and to providing them the best in quality care. At NORCAL we are accountable to you, the physician, and to giving the best possible service and value for your insurance dollar.

Find out more about NORCAL. Phone toll-free (800) 652-1051

NORCAL

Medical Malpractice Insurance

NORCAL Mutual Insurance Company 333 Market St.. San Francisco. CA 94105 (800) 652-1051 or (415) 777-4200

Endorsed by more California Medical Societies

THE WESTERN JOURNAL OF MEDICINE

CORGARD (nadolol tablets) **ONCE A DAY FOR HYPERTENSION**

CORGARD® TABLETS adolol Tablets

DESCRIPTION: Corgard (nadolol) is a synthetic nonselective beta-adrenergic receptor

CONTRAINDICATIONS: Bronchial asthma, sinus bradycardia and greater than first egree conduction block, cardiogenic shock, and overt cardiac failure (see WARNINGS) **WARNINGS: Cardiac Failure** — Sympathetic stimulation may be a vital component supporting circulatory function in congestive heart failure, and its inhibition by betablockade may precipitate more severe failure. Although beta-blockers should be avoided in overt congestive heart failure, if necessary, they can be used with caution in patients with a history of failure who are well-compensated, usually with digitalis and diuretics. Beta-adrenergic blocking agents do not abolish the inotropic action of digitalis on heart muscle. IN PATIENTS WITHOUT A HISTORY OF HEART FAILURE, continued use of beta-blockers can, in some cases, lead to cardiac failure; therefore, at first sign or symptom of heart failure, digitalize and/or give diuretics, and closely observe response, or discontinue nadolol (gradually if possible).

Exacerbation of Ischemic Heart Disease Following Abrupt Withdrawal — Hypersensitivity to catecholamines has been observed in patients withdrawn from beta-blocker therapy; exacerbation of angina and, in some cases, myocardial infarction have occurred after abrupt discontinuation of such therapy. When discontinuing chronic use of nadolol, particularly in patients with ischemic heart disease, gradually reduce dosage over a 1- to 2-week period and carefully monitor the patient. Reinstitute nadolol promptly (at least temporarily) and take other measures appropriate for management of unstable angina if angina markedly worsens or acute coronary, insufficiency develops. Warm patients not to interrupt or discontinue coronary insufficiency develops. Warn patients not to interrupt or discontinue therapy without physician's advice. Because coronary artery disease is common and may be unrecognized, it may be prudent not to discontinue nadolol therapy abruptly even in patients treated only for hypertension.

Nonallergic Bronchospasm (e.g., chronic bronchitis, emphysema) — PATIENTS WITH BRONCHOSPASTIC DISEASES SHOULD IN GENERAL NOT RECEIVE BETA-BLOCKERS. Administer nadolol with caution since it may block bronchodilation produced by endogenous or exogenous catecholamine stimulation of beta2 receptors

Major Surgery — Because beta blockade impairs the ability of the heart to respond to reflex stimuli and may increase risks of general anesthesia and surgical procedures, resulting in protracted hypotension or low cardiac output, it has generally been suggested that such therapy should be withdrawn several days prior to surgery. Recognition of the increased sensitivity to catecholamines of patients recently withdrawn from beta-blocker therapy, however, has made this recommendation controversial. If possible, withdraw beta-blockers well before surgery takes place. In emergency surgery, inform the anesthesiologist that the patient is on beta-blocker therapy. Use of beta-receptor agonists such as isoproterenol, dopamine, dobutamine, or levarterenol can reverse the effects of nadolol. Difficulty in restarting and maintaining the heart beat has also been reported

nadoiol. Difficulty in restarting and maintaining the neart beat has also been reported with beta-adrenergic receptor blocking agents.

Diabetes and Hypoglycemia — Beta-adrenergic blockade may prevent the appearance of premonitory signs and symptoms (e.g., tachycardia and blood pressure changes) of acute hypoglycemia. This is especially important with labile diabetics. Beta-blockade also reduces release of insulin in response to hyperglycemia; therefore, it may be necessary to adjust dose of antidiabetic drugs.

Thyrotoxicosis — Beta-adrenergic blockade may mask certain clinical signs (e.g., tachycardia) of hyperthyroidism. To avoid abrupt withdrawal of beta-adrenergic blockade which might precipitate a thyroid storm, carefully manage patients suspected of

developing thyrotoxicosis. **PRECAUTIONS: Impaired Hepatic or Renal Function** — Use nadolol with caution in presence of either of these conditions (see DOSAGE AND ADMINISTRATION section

Information for Patients — Warn patients, especially those with evidence of coronary artery insufficiency, against interruption or discontinuation of nadolol without physician's advice. Although cardiac failure rarely occurs in properly selected patients, advise patients being treated with beta-adrenergic blocking agents to consult physician at

Drug Interactions — Catecholamine-depleting drugs (e.g., reserpine) may have an additive effect when given with beta-blocking agents. When treating patients with nadolol plus a catecholamine-depleting agent, carefully observe for evidence of hypotension and/or excessive bradycardia which may produce vertigo, syncope, or postural

Carcinogenesis, Mutagenesis, Impairment of Fertility — In 1 to 2 years' oral toxicologic studies in mice, rats, and dogs, nadolol did not produce significant toxic effects. In 2-year oral carcinogenic studies in rats and mice, nadolol did not produce

neoplastic, preneoplastic, or nonneoplastic pathologic lesions. **Pregnancy** — In animal reproduction studies with nadolol, evidence of embryo- and fetotoxicity was found in rabbits (but not in rats or hamsters) at doses 5 to 10 times greater (on a mg/kg basis) than maximum indicated human dose; no teratogenic potential was seen in any of these species. There are no well-controlled studies in pregnant women; therefore, use nadolol in pregnant women only if potential benefit justifies potential risk

Nursing Mothers — It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, exercise caution when nadolol is administered to a nursing woman. Animal studies showed that nadolol is found in the

milk of lactating rats.

Pediatric Use — Safety and effectiveness in children have not been established.

ADVERSE REACTIONS: Most adverse effects have been mild and transient and have

rarely required nadolol withdrawal.

Cardiovascular — Bradycardia with heart rates of less than 60 beats per minute occurs commonly, and heart rates below 40 beats per minute and/or symptomatic bradycardia were seen in about 2 of 100 patients. Symptoms of peripheral vascular insufficiency, usually of the Raynaud type, have occurred in approximately 2 of 100 patients. Cardiac failure, hypotension, and rhythm/conduction disturbances have each occurred in about 1 of 100 patients. Single instances of first degree and third degree head occurred in about 1 of 100 patients. occurred in about 1 of 100 patients. Single instances of instageree and mind degree near block have been reported; intensification of AV block is a known effect of beta-blockers (see also CONTRAINDICATIONS, WARNINGS, and PRECAUTIONS). Central Nervous System — Dizziness or fatigue reported in approximately 2 of 100 patients; paresthesias, sedation, and change in behavior reported in approximately 6 of 1000 patients. Respiratory — Bronchospasm reported in approximately 1 of 1000 patients (see CONTRAINDICATIONS and WARNINGS). Gastrointestinal — Naussea, diarrhea, behaving a discontinuous discontinuous progressis bloating, and abdominal discomfort, constipation, vomiting, indigestion, anorexia, bloating, and flatulence each reported in 1 to 5 of 1000 patients. **Miscellaneous** — Each of the following reported in 1 to 5 of 1000 patients: rash; pruritus; headache; dry mouth, eyes, or skin; impotence or decreased libido; facial swelling; weight gain; slurred speech; cough; nasal stuffiness; sweating; tinnitus; blurred vision. Although relationship to drug usage is not clear, sleep disturbances have been reported. The oculomucocutaneous syndrome associated with practolol has not been reported with nadolol. **Potential Adverse Effects:** Although other adverse effects reported with other beta-

adrenergic blocking agents have not been reported with nadolol, they should be considered potential adverse effects of nadolol. **Central Nervous System** — reversible mental depression progressing to catatonia; visual disturbances; hallucinations; an acute reversible syndrome characterized by disorientation for time and place; short-term memory loss, emotional lability with slightly clouded sensorium; decreased performance on neuropsychometrics. **Gastrointestinal** — mesenteric arterial thrombosis; ischemic colitis. **Hematologic** — agranulocytosis; thrombocytopenic or nonthrombocytopenic purpura. **Allergic** — fever combined with aching and sore throat; laryngospasm; respiratory distress. **Miscellaneous** — reversible alopecia; Peyronie's disease; erythematous rash. **OVERDOSAGE** Nadolol can be removed from the general circulation by hemodialysis

In addition to gastric lavage, employ the following measures as appropriate. In determining duration of corrective therapy, take note of long duration of effect of nadolol.

Excessive Bradycardia — Administer atropine (0.25 to 1.0 mg). If there is no

response to vagal blockade, administer isoproterenol cautiously.

Cardiac Failure — Administer a digitalis glycoside and diuretic. It has been reported that glucagon may also be useful in this situation.

Hypotension — Administer vasopressors, e.g., epinephrine or levarterenol. (There is evidence that epinephrine may be the drug of choice.)

Bronchospasm — Administer a beta₂-stimulating agent and/or a theophylline

DOSAGE: For all patients, DOSAGE MUST BE INDIVIDUALIZED.

For **angina pectoris**, usual initial dose is 40 mg q.d.; gradually increase in 40 to 80 mg increments at 3 to 7 day intervals until optimum clinical response or pronounced slowing of the heart rate; usual maintenance dose is 80 to 240 mg q.d. (most patients respond to 160 mg or less daily). If treatment is to be discontinued, reduce dosage gradually over a period of 1 to 2 weeks (see WARNINGS).

For **hypertension**, usual initial dose is 40 mg q.d.; gradually increase in 40 to 80 mg

increments until optimum blood pressure reduction is achieved, usual maintenance dose is 80 to 320 mg q.d. (rarely, doses up to 640 mg may be needed).

Patients with renal failure require adjustment in dosing interval; see package insert for

dosage in these patients.

For full prescribing information, consult package insert.

HOW SUPPLIED: In scored tablets containing 40, 80, 120, or 160 mg nadolol per tablet in bottles of 100 and 1000 tablets and in Unimatic® unit-dose packs of 100 tablets. The 40 mg and 80 mg tablets are also available in convenience packages containing 4 blister cards of 7 tablets each



Less chance of depression, insomnia and nightmares than propranolol

Because hydrophilic (water-soluble) Corgard® (nadolol tablets) does not readily cross the blood-brain barrier, CNS side effects should occur less frequently than with highly lipophilic propranolol.*

The most commonly reported CNS side effects of Corgard, dizziness and fatigue, have each been reported in approximately 2 of 100 patients receiving Corgard.*

Once-a-day Corgard is as effective as propranolol, qid, in both hypertension and angina pectoris.¹

Once-a-day

CORGARD (nadolol tablets)

*For a full discussion of CONTRAINDICATIONS, PRECAUTIONS, ADVERSE REACTIONS, and WARNINGS, including avoidance of abrupt withdrawal, please see brief summary.

1. Data on file: Squibb Institute for Medical Research.



EQUALLY EFF. PRACTICAL FU

SQUIBB ORE SION

page of this advertisement for brief summary.

THE PROFESSIONALS IONA DOCTORS' COMPA

THE PROFESSIONALS E MEDICAL JRANCE COMPANY.



THE DOCTORS' COMPANY AN INTERINSURANCE EXCHANGE

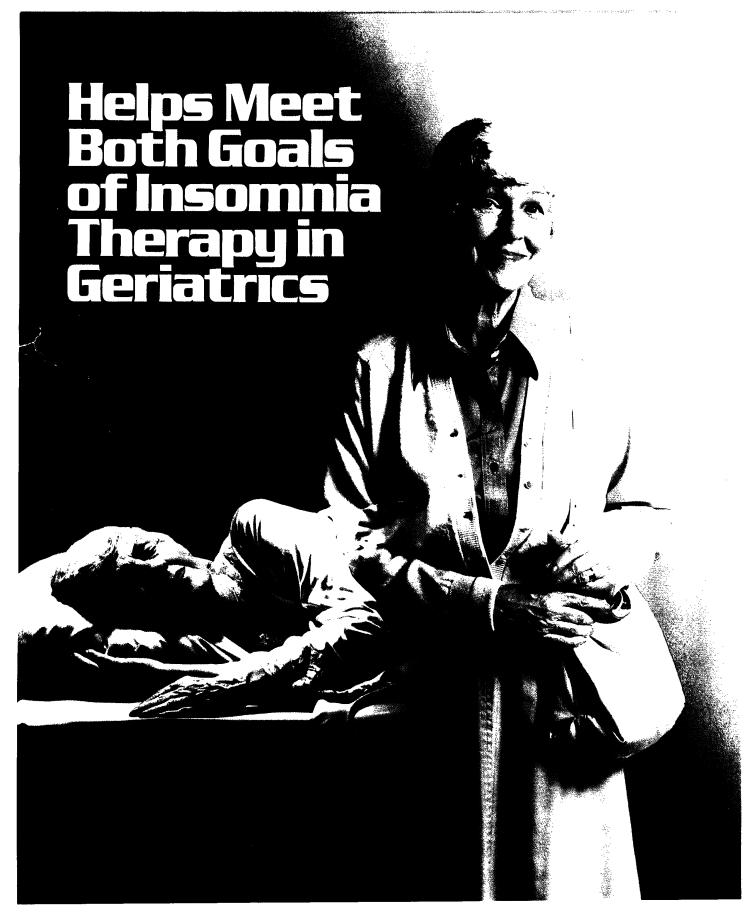
LIFE INSURANCE COMPANY A WHOLLY OWNED SUBSIDIARY OF THE DOCTORS COMPANY

401 WILSHIRE BLVD., SANTA MONICA, CA 90401 (213) 451-3011. TOLL FREE, (800) 352-7271 (CALIFORNIA):

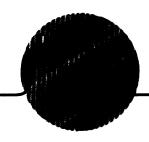
(800) 421-2368 (OTHER STATES)

SERVING THE INSURANCE NEEDS OF PHYSICIANS IN CALIFORNIA/NEVADA/ WYOMING/MONTANA

Halcion^{® 0.25 mg} triazolam (v)







Goal 1: Improved Sleep Better Initiation and Maintenance of Sleep

- Halcion was found to initiate sleep in insomniac patients within 17.4 minutes after ingestion.
- Peak serum concentration occurs at 1.3 hours.
- Patients receiving *Halcion* were found to have 56.9% fewer nighttime awakenings (compared with baseline).
- Patients receiving Halcion slept longer each night of therapy (an average of 36 minutes longer) in comparison with baseline.

Goal 2: Daytime Alertness Better Morning and Daytime Alertness

- Halcion has the shortest half-life of any benzodiazepinederived sleep medication.
- In controlled studies, Halcion treated patients demonstrated significantly better morning and daytime alertness than flurazepam-treated patients.1
- Within 24 hours following a single oral dose, *Halcion* was no longer detectable in the plasma.
- Patients receiving Halcion should be cautioned about the possible combined effects with alcohol and other CNS depressants.



RAPIDLY ABSORBED FOR IMPROVED SLEEP **PROMPTLY EXCRETED** FOR DAYTIME ALERTNESS



O.35 mg failets Initiate at 0.125 n 📺

Halcion Tablets triazolam ®



Special Dosage Guidelines for Geriatric Patients



0.125 MG TO 0.25 MG

Initiate at 0.125 mg (half of a 0.25 mg scored tablet) until individual response is determined.

Because geriatric and/or debilitated patients respond favorably to lower doses of *Halcion*, initiation at the above dosage is recommended.

DOSAGE FOR NON-GERIATRIC PATIENTS: 0.25 MG TO 0.5 MG

Patients should be advised against engaging in hazardous tasks that require mental alertness (operating machinery or driving a motor vehicle).

Reference: 1. Ogura C, et al: Residual effects of hypnotics: Triazolam, flurazepam, and nitrazepam. Psychopharmacol 1980; 68:61-65

Halcion Tablets triazolam ©

INDICATIONS AND USAGE

HALCION Tablets are indicated in the short-term management of insomnia characterized by difficulty in falling asleep, frequent nocturnal awakenings, and/or early morning awakenings.

It is recommended that HALCION not be prescribed in quantities exceeding a one-month supply.

CONTRAINDICATIONS

Patients with known hypersensitivity to this drug or other benzodiazepines.

HALCION is contraindicated in pregnant women due to potential fetal damage. Patients likely to become pregnant while receiving HALCION should be warned of the potential risk to the fetus.

WARNINGS

Overdosage may occur at 2 mg, four times the maximum recommended therapeutic dose (0.5 mg). Patients should be cautioned not to exceed prescribed dosage.

Because of its depressant CNS effects, patients should be cautioned against engaging in hazardous occupations requiring complete mental alertness and also about the simultaneous ingestion of alcohol and other CNS depressant drugs.

Anterograde amnesia and paradoxical reactions have been reported with HALCION and some other benzodiazepines.

PRECAUTIONS

General: In elderly and/or debilitated patients, treatment should be initiated at 0.125 mg to decrease the possibility of development of oversedation, dizziness, or impaired coordination. Caution should be exercised in patients with signs or symptoms of depression which could be intensified by hypnotic drugs. Suicidal tendencies and intentional overdosage is more common in these patients. The usual precautions should be observed in patients with impaired renal or hepatic function and chronic pulmonary insufficiency. Information for Patients: Alert patients about: (a) consumption of alcohol and drugs, (b) possible fetal abnormalities, (c) operating machinery or driving, (d) not increasing dose of the drug due to risk of dependence, (e) possible worsening of sleep after discontinuing HALCION. Laboratory Tests: Not ordinarily required in otherwise

healthy patients. Drug Interactions: Additive CNS depressant effects with other psychotropics, anticonvulsants, antihistaminics, ethanol, and other CNS depressants. Pharmacokinetic interactions of benzodiazepines with other drugs have been reported. Carcinogenesis, Mutagenesis, Impairment of Fertility: No evidence of carcinogenic potential was observed in mice during a 24-month study with HALCION in doses up to 4000 times the human dose. Pregnancy: Benzodiazepines may cause fetal damage if administered during pregnancy. The child born of a mother who is on benzodiazepines may be at some risk for withdrawal symptoms and neonatal flaccidity during the postnatal period. Nursing Mothers: Administration to nursing mothers is not recommended. Pediatric Use: Safety and efficacy in children below the age of 18 have not been established.

ADVERSE REACTIONS

During placebo-controlled clinical studies in which 1003 patients received HALCION Tablets, the most troublesome side effects were extensions of the pharmacologic activity of HALCION, e.g. drowsiness, dizziness, or lightheadedness.

Number of Patients	HALCION 1003	Placebo 997
% of Patients Reporting: Central Nervous System		
Drowsiness	14.0	6.4
Headache	9.7	8.4
Dizziness	7.8	3.1
Nervousness	5.2	4.5
Lightheadedness	4.9	0.9
Coordination Dis-		
order/Ataxia	4.6	0.8
Gastrointestinal		
Nausea/Vomiting	4.6	3.7

In addition, the following adverse events have been reported less frequently (i.e., 0.9-0.5%): euphoria, tachycardia, tiredness, confusional states/memory impairment, cramps/gain depression, visual disturbances

pairment, cramps/pain, depression, visual disturbances. Rare (i.e., less than 0.5%) adverse reactions included constipation, taste alterations, diarrhea, dry mouth, dermatitis/allergy, dreaming/nightmares, insomnia, paresthesia, tinnitus, dysesthesia, weakness, congestion, death from hepatic failure in a patient also receiving diuretic drugs.

The following adverse events have been reported in association with the use of benzodiazepines: dystonia, irritability, anorexia, fatigue, sedation, slurred speech, jaundice, pruritus, dysarthria, changes in libido, menstrual irregularities, incontinence and urinary retention.

As with all benzodiazepines, paradoxical reactions such as stimulation, agitation, increased muscle spasticity, sleep disturbances, hallucinations and other adverse behavioral effects may occur rarely and in a random fashion. Should these occur, use of the drug should be discontinued.

No laboratory changes were considered to be of physiological significance.

When treatment is protracted, periodic blood counts, urinalysis and blood chemistry analyses are advisable. Minor changes in EEG patterns, usually low-voltage

Minor changes in EEG patterns, usually low-voltage fast activity have been observed in patients during HALCION therapy and are of no known significance.

DRUG ABUSE AND DEPENDENCE

Controlled Substance: HALCION Tablets are a Controlled Substance in Schedule IV. Abuse and Dependence: Withdrawal symptoms have occurred following abrupt discontinuance of benzodiazepines. Patients with a history of seizures are at particular risk. Addiction-prone patients should be closely monitored. Repeat prescriptions should be limited to those under medical supervision.

OVERDOSAGE

Because of the potency of triazolam, overdosage may occur at 2 mg, four times the maximum recommended therapeutic dose (0.5 mg). Manifestations of overdosage include somnolence, confusion, impaired coordination, slurred speech, and ultimately, coma. Respiration, pulse, and blood pressure should be monitored and supported by general measures when necessary. Immediate gastric lavage should be performed. Multiple agents may have been ingested.

Store at controlled room temperature 15°-30°C (59°-86°F).

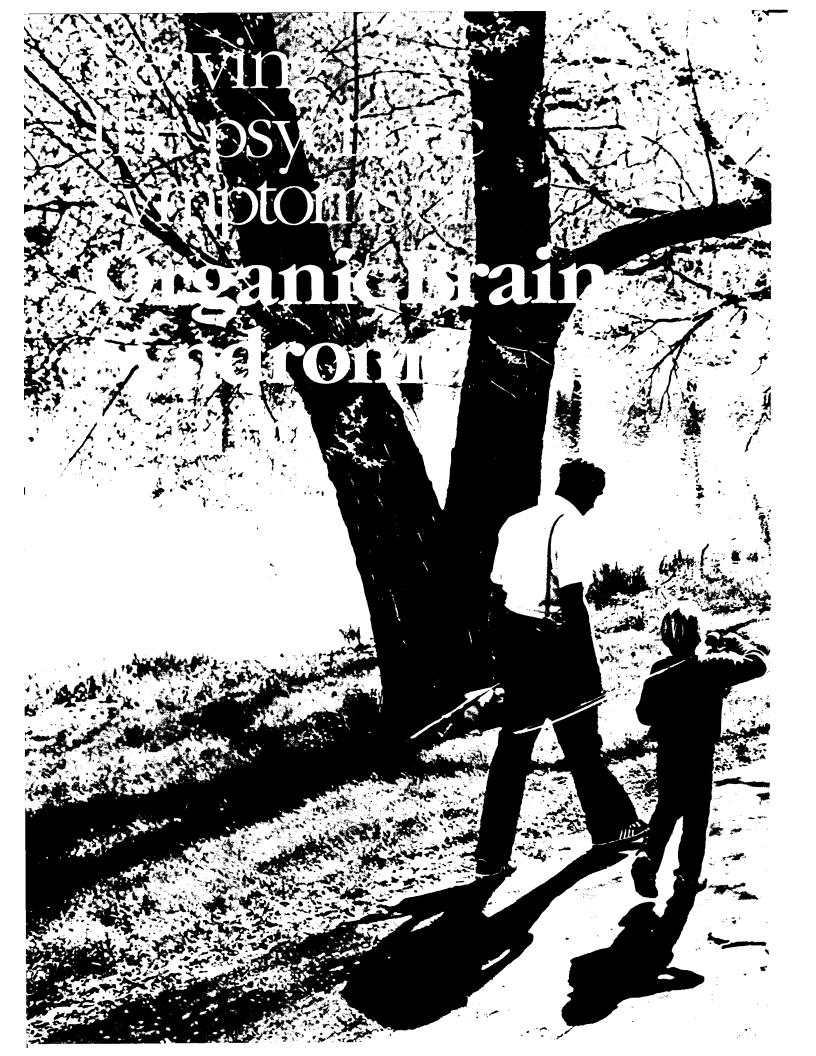
Caution: Federal law prohibits dispensing without prescription.

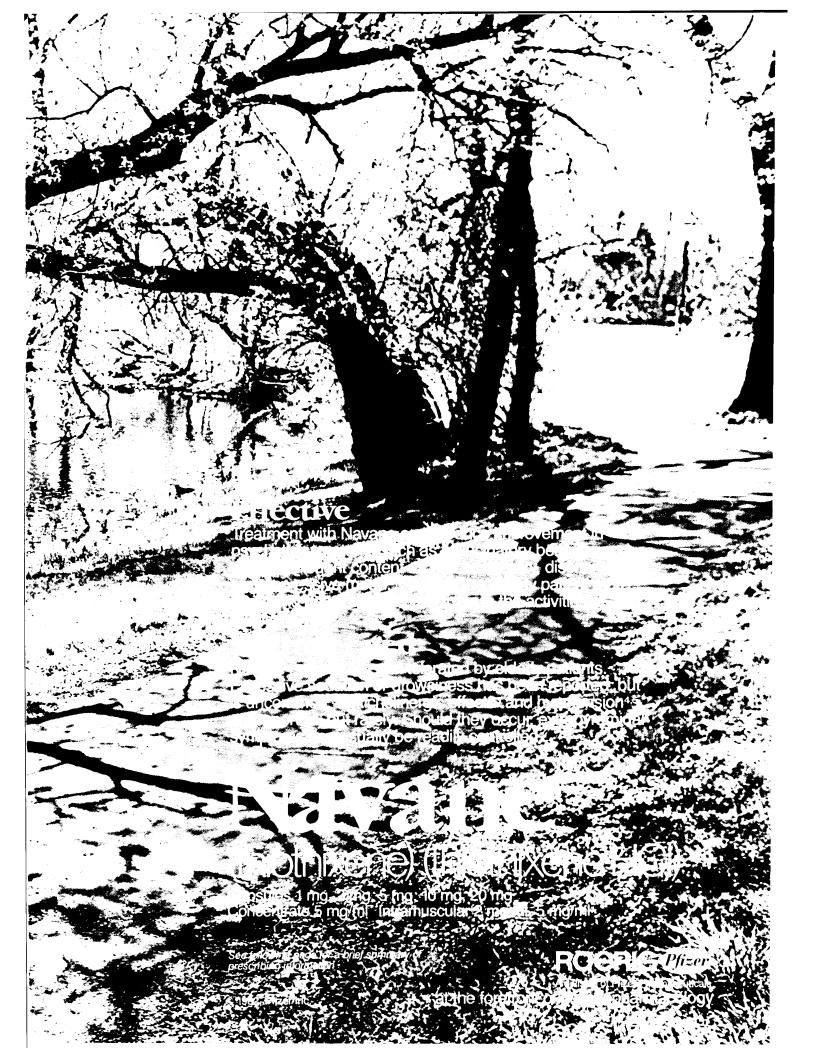
J-3671R

October 1983



THE UPJOHN COMPANY Kalamazoo, Michigan 49001 USA





Navane (thiothixene) (thiothixene HCI)

References: 1. Util TM, Unverdi C. Wohlrade J, et al: Drug therapy of psychosis associated with organic brain syndrome. Presented as a Scientific Exhibit at the American Public Health Associaton Centennial, Atlantic City, New Jersey, November 12-16, 1972. 2. Katz MM, Util TM: Video methodology for research in psychopathology and psychopharmacology. Arch Gen Psychiatry 31:204-210, 1974. 3. Ketai R. Psychotropic drugs in the management of psychiatric emergencies. Postgraduate Medicine 58.87-93, 1975. 4. Birkett DP, Hirschfield W, Simpson GM: Thiothixene in the treatment of diseases of the senium. Curr Ther Res 14:775-779, 1972. 5. Data on file at Roerig.

BRIEF SUMMARY OF PRESCRIBING INFORMATION

Navane® (thiothixene) Capsules: 1 mg, 2 mg, 5 mg, 10 mg, 20 mg (thiothixene hydrochioride) Concentrate: 5 mg/ml, Intramuscular: 2 mg/ml, 5 mg/ml Contraindications: Navane (thiothixene) is contraindicated in patients with circulatory collapse. comatose states, central nervous system depression due to any cause, and blood dyscrasias. Navane is contraindicated in individuals who have shown hypersensitivity to the drug. It is not known whether there is a cross-sensitivity between the thioxanthenes and the phenothiazine

warmings: Usage in Pregnancy — Safe use of Navane during pregnancy has not been established therefore, this drug should be given to pregnant patients only when, in the judgment of the physician, the expected benefits from the treatment exceed the possible risks to mother and fetus. Animal reproduction studies and clinical experience to date have not demonstrated any terroteogies officers. teratogenic effects.

e animal reproduction studies with Navane, there was some decrease in conception rate In the animal reproduction studies with Navane, there was some decrease in conception rate and litter size, and an increase in nesorption rate in rats and rabbits, changes which have been similarly reported with other psychotropic agents. After repeated oral administration of Navane to rats (5 to 15 mg/kg/day), rabbits (3 to 50 mg/kg/day), and monkeys (1 to 3 mg/kg/day) before and during gestation, no teratogenic effects were seen. (See Precautions).

Usage in Children—The use of Navane in children under 12 years of age is not recommended because safety and efficacy in the peritatric age group have not been established.

**As is true with many CNS drugs, Navane may impair the mental and/or physical abilities required for the performance of potentially hazardous tasks such as driving a car or operating machinery, especially during the first few days of therapy. Therefore, the patient should be cautioned accordingly.

ingly.

As in the case of other CNS-acting drugs, patients receiving Navane should be cautioned about the possible additive effects (which may include hypotension) with CNS depressants and with

Precautions: An antiemetic effect was observed in animal studies with Navane, since this effect may also occur in man, it is possible that Navane may mask signs of overdosage of toxic drugs and may obscure conditions such as intestinal obstruction and brain tumor.

may obscure conditions such as intestinal obstruction and brain tumor. In consideration of the known capability of Navane and certain other psychotropic drugs to precipitate convulsions, extreme caution should be used in patients with a history of convulsive disorders or those in a state of alcohol withdrawal since it may lower the convulsive threshold. Although Navane potentiates the actions of the barbiturates, the dosage of the anticonvulsant therapy should not be reduced when Navane is administered concurrently. Caution as well as careful adjustment of the dosage is indicated when Navane is used in conjunction with other CNS deputs anticholinergic properties, Navane should be used with caution in patients who are known onsuspected to have glaucoma, or who might be exposed to extreme heat, or who are receiving altropine or related drugs.

Use with caution in patients with cardiovascular disease.

Also, careful observation should be made for pigmentary retinopathy, and lenticular pigmenta-

Also, careful observation should be made for pigmentary retinopathy, and lenticular pigmentation (fine lenticular pigmentation (fine lenticular pigmentation has been noted in a small number of patients treated with Navane for prolonged periods). Blood dyscrasias (agranulocytosis, pancytopenia, thrombocytopenic purpura), and liver damage (jaundice, biliary stasis) have been reported with related drugs. Undue exposure to sunlight should be avoided. Photosensitive reactions have been reported in

patients on Navane

Neuroleptic drugs elevate prolactin levels; the elevation persists during chronic administration Tissue culture experiments indicate that approximately one-third of human breast cancers are prolactin dependent in vitro, a factor of potential importance if the prescription of these drugs is contemplated in a patient with a previously detected breast cancer. Although disturbances such as galactorrhea, amenorrhea, gynecomastia, and impotence have been reported, the clinical significance of elevated serum prolactin levels is unknown for most patients. An increase in mammary neoplasms has been found in rodents after chronic administration of neuroleptic drugs. Neither clinical studies nor epidemiologic studies conducted to date, however, have shown an association between chronic administration of these drugs and mammary tumorigenesis; the available evidence is considered too limited to be conclusive at this time.

available evidence is considered too limited to be conclusive at this time.

Intramuscular Administration—As with all intramuscular preparations, Navane Intramuscular should be injected well within the body of a relatively large muscle. The preferred sites are the upper outer quadrant of the buttock (i.e. gluteus maximus) and the mid-lateral thigh.

The deltoid area should be used only if well developed, such as in certain adults and older children, and then only with caution to avoid radial nerve injury Intramuscular injections should not be made into the lower and mid-thirds of the upper arm. As with all intramuscular injections, aspiration is necessary to help avoid inadvertent injection into a blood vessel.

Adverse Beartings: Note: Not all of the following adverse reactions have been reported with

Adverse Reactions: Note: Not all of the following adverse reactions have been reported with Navane (thiothixene). However, since Navane has certain chemical and pharmacologic similarities to the phenothiazines, all of the known side effects and toxicity associated with phenothiazine

to the phenothiazines, all of the known side effects and toxicity associated with phenothiazine therapy should be borne in mind when Navane is used.

Cardiovascular effects: Tachycardia, hypotension, lightheadedness, and syncope. In the event hypotension occurs, epinephrine should not be used as a pressor agent since a paradoxical further lowering of blood pressure may result. Nonspecific EKG changes have been observed in some patients receiving Navane. These changes are usually reversible and frequently disappear on continued Navane therapy. The incidence of these changes is lower than that observed with some phenothiazines: The clinical significance of these changes is not known.

CNS effects: Drowsiness, usually mild, may occur although it usually subsides with continuation of Navane therapy. The incidence of sedation appears similar to that of the piperazine group of phenothazines, but less than that of certain aliphatic phenothiazines. Restlessness, agitation and insomnia have been noted with Navane (thiothixene). Seizures and paradoxical exacerbation of psychotic symptoms have occurred with Navane infrequently.

Hyperreflexia has been reported in infants delivered from mothers having received structurally related drugs.

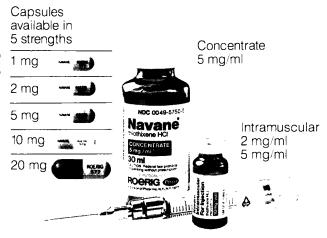
related drugs.

In addition, phenothiazine derivatives have been associated with cerebral edema and cere-brospinal fluid abnormalities.

Extrapyramidal symptoms, such as pseudo-parkinsonism, akathisia, and dystonia have been reported. Management of these extrapyramidal symptoms depends upon the type and severity. Rapid relief of acute symptoms may require the use of an injectable antiparkinson agent. More slowly emerging symptoms may be managed by reducing the dosage of Navane and/or administering an oral antiparkinson agent

tering an oral antiparkinson agent.

Persistent Tardive Dyskinesia: As with all antipsychotic agents tardive dyskinesia may appear in some patients on long term therapy or may occur after drug therapy has been discontinued. The risk seems to be greater in elderly patients on high-dose therapy, especially females. The symptoms are persistent and in some patients appear to be irreversible. The syndrome is characterized by rhythmical involuntary movements of the tongue, face, mouth or jaw (e.g., protrusion of tongue, puffing of cheeks, puckering of mouth, chewing movements). Sometimes these may be accompanied by involuntary movements of extremities.



There is no known effective treatment for tardive dyskinesia; antiparkinsonism agents usually do not alleviate the symptoms of this syndrome. It is suggested that all antipsychotic agents be Should it be necessary to reinstitute treatment, or increase the dosage of the agent, or switch to a

different antipsychotic agent, the syndrome may be masked.

It has been reported that fine vermicular movements of the tongue may be an early sign of the syndrome and if the medication is stopped at that time, the syndrome may not develop.

Hepatic effects: Elevations of serum transaminase and alkaline phosphatase, usually transient have been infrequently observed in some patients. No clinically confirmed cases of jaundice attributable to Navane (thiothixene) have been reported.

Hematologic effects: As is true with certain other psychotropic drugs, leukopenia and leukocytosis, which are usually transient, can occur occasionally with Navane. Other antipsychotic drugs have been associated with agranulocytosis, eosinophilia, hemolytic anemia, thrombocytopenia and pancytopenia.

Allergic reactions: Rash, pruritus, urticaria, photosensitivity and rare cases of anaphylaxis have

been reported with Navane. Undue exposure to sunlight should be avoided. Although not experienced with Navane, exfoliative dermatitis and contact dermatitis (in nursing personnel) have been reported with certain phenothiazines

enced with variate, extonative definiation and contract definiating with the critain phenothiazines. Endocrine disorders: Lactation, moderate breast enlargement and amenorrhea have occurred in a small percentage of females receiving Navane. If persistent, this may necessitate a reduction in dosage or the discontinuation of therapy. Phenothiazines have been associated with false positive pregnancy tests, gynecomastia, hypoglycemia, hyperglycemia, and glycosuria. Autonomic effects: Dry mouth, blurred vision, nasal congestion, constipation, increased sweating, increased salivation, and impotence have occurred infrequently with Navane therapy. Phenothiazines have been associated with miosis, mydriasis, and adynamic ileus. Other adverse reactions: Hyperpyrexia, anorexia, nausea, vomiting, diarrhea, increase in appetite and weight, weakness or fatigue, polydipsia and peripheral edema. Although not reported with Navane, evidence indicates there is a relationship between phenothiazine therapy and the occurrence of a systemic lupus erythematosus-like syndrome. NOTE: Sudden deaths have occasionally been reported in patients who have received certain phenothiazine derivatives. In some cases the cause of death was apparently cardiac arrest or asphyxia due to failure of the cough reflex. In others, the cause could not be determined nor could it be established that death was due to phenothiazine administration.

Dosage and Administration: Dosage of Navane should be individually adjusted depending on the chronicity and severity of the condition. In general, small doses should be used initially and gradually increased to the optimal effective level, based on patient response.

Some patients have been successfully maintained on once-a-day Navane therapy. Usage in children under 12 years of age is not recommended because safe conditions for its use have not been established.

have not been established

Navane Intramuscular Solution: Navane For Injection — Where more rapid control and treatment of acute behavior is desirable, the intramuscular form of Navane may be indicated. It is also of benefit where the very nature of the patient's symptomatology, whether acute or chronic, renders oral administration impractical or even impossible. For treatment of acutesymptomatology or in patients unable or unwilling to take oral medication, the usual dose is 4 mg of Navane Intramuscular administered 2 to 4 times daily. Dosage may be increased or decreased depending on response. Most patients are controlled on a total daily dosage of 16 to 20 mg. The maximum recommended dosage is 30 mg/day. An oral form should supplant the injectable form as soon as possible. It may be necessary to adjust the dosage when changing from the intramuscular to oral dosage forms. Dosage recommendations for Navane (thiothixen) Capsules: Navane Concentrate appear in the following paragraphs.

Navane Capsules: Navane Concentrate — In milder conditions, an initial dose of 2 mg three times daily. If indicated, a subsequent increase to 15 mg/day total daily dose is often effective. In more severe conditions, an initial dose of 5 mg twice daily.

The usual optimal dose is 20 to 30 mg daily. If indicated, an increase to 60 mg/day total daily dose is often effective. Exceeding a total daily dose of 60 mg rarely increases the beneficial response.

Overdosage: Manifestations include muscular twitching, drowsiness, and dizziness. Symptoms of

gross overdosage may include CNS depression, rigidity, weakness, torticollis, tremor, salivation, dysphagia, hypotension, disturbances of gait, or coma.

Treatment: Essentially is symptomatic and supportive. For Navane oral, early gastric lavage is

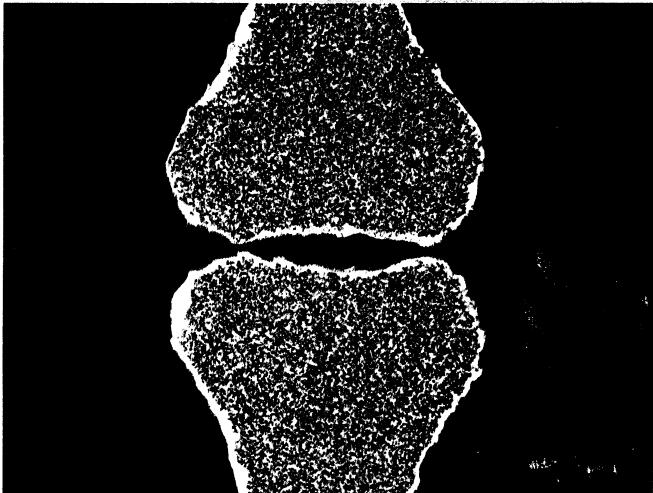
Treatment: Essentially is symptomatic and supportive. For Navane oral, early gastric lavage is helpful. For Navane oral and Intramuscular, keep patient under careful observation and maintain an open airway, since involvement of the extrapyramidal system may produce dysphagia and respiratory difficulty in severe overdosage. If hypotension occurs, the standard measures for managing circulatory shock should be used (I.V. fluids and or vasoconstrictors.) If a vasoconstrictor is needed, levarterenol and phenylephrine are the most suitable drugs. Other pressor agents, including epinephrine, are not recommended, since phenothiazine derivatives may reverse the usual pressor action of these agents and cause further lowering of the blood pressure.

pressure. If CNS depression is present and specific therapy is indicated, recommended stimulants include amphetamine, dextroamphetamine, or caffeine and sodium benzoate. Stimulants that may cause convulsions (e.g. picrotoxin or pentylenetetrazol) should be avoided. Extrapyramidal symptoms may be treated with antiparkinson drugs.

There are no data on the use of peritoneal or hemodialysis, but they are known to be of little value.

in phenothiazine intoxication





This is how an arthritis patient's joints often feel.

You can help these patients feel better with one-a-day FELDENE (piroxicam).

For good reasons:

• it's effective—proven relief of the pain and inflammation of rheumatoid arthritis and osteoarthritis in millions of patients, in 80 countries all around the world.

- it's efficient—once daily, 20-mg dose provides round-the-clock relief, improves compliance and remains effective during long-term therapy, maintaining 24-hour therapeutic blood levels once steady state is reached in 7 to 12 days.
- it's preferred—in an open multi-center study, the antiarthritic preferred by physicians for their patients was FELDENE.

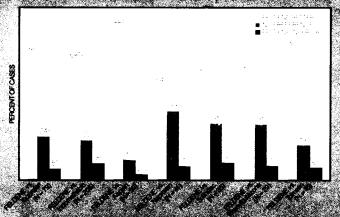


Please see a brief summary of FELDENE (piroxicam) prescribing information on the following page.



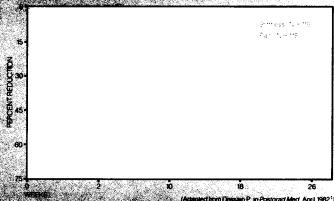
Rafed better by physicians in an open multicenter trial

INVESTICATORS COMPARATIVE OF DRAFE VALUATIONS
(Physicians raised Feidene Detably as "better than", "squalto," or "interior previous therapy based on global evaluations of patients overall respo

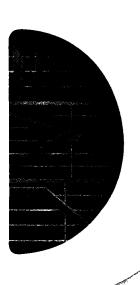


ELECTION PROPERTY OF THE PARTY.

approving a substance of Francishs on Feldene (meer approving of Amalic reduction in pain and stiffness.

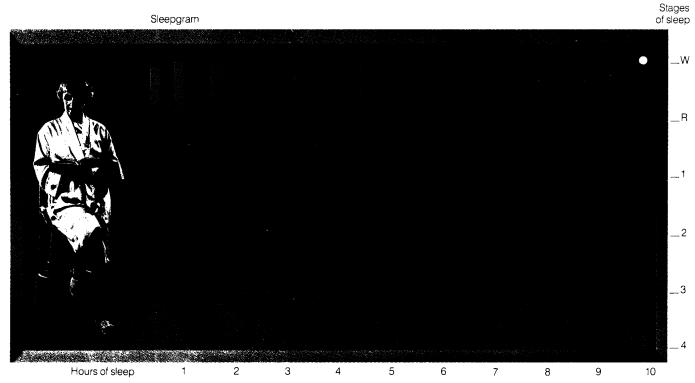






ISRUPTIVE ISTRESSING ISABLING

THE DISRUPTIVE PATTERN OF VASOMOTOR SYMPTOMS



The sleepgram demonstrates the correlation between hot flushes and waking episodes that can disrupt the menopausal woman's sleep night after night. —adapted from Erlik et al, p 1742.1

EFFECTIVE TREATMENT

Hot flushes, with associated immediate-waking episodes, can occur several times a night—severely disrupting the menopausal patient's sleep.² The symptoms may also appear during the day and seriously disrupt the patient's life.

Scientific evidence has shown that the symptoms are not purely subjective. In one study, nearly all objectively recorded hot flushes during sleep were associated with immediate waking episodes. They're the most common cause for which menopausal patients seek medical attention. At least 75% of menopausal women experience the symptoms, which persist for over one year in 80% of those afflicted. But 25% to 50% of the women suffer longer than five years.

PREMARIN® (Conjugated Estrogens Tablets, U.S.P.) therapy is effective in reducing the severity and frequency of symptomatic attacks and eliminating them altogether. When moderate to severe vasomotor symptoms are chronically disruptive, provide relief with PREMARIN.

= objectively measured hot flush

o = arousal of patient by investigator at end of the study

W = Waking

R = Rapid Eye Movement (REM)

FOR MODERATE TO SEVERE VASOMOTOR SYMPTOMS

PREMARIN° (CONJUGATED ESTROGENS TABLETS, U.S.P.)









0.3 mg

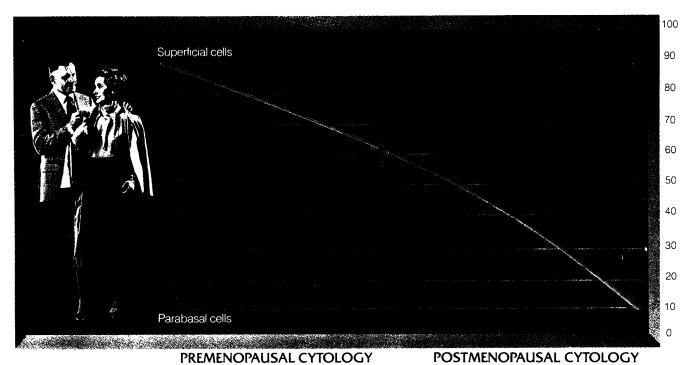
0.625 mg

1.25 mg

2.5 mg

The appearance of these tablets is a trademark of Ayerst Laboratories.

THE DISTRESSING CONSEQUENCES OF ATROPHIC VAGINITIS



Estrogen levels—to diagnose estrogen deficiency or monitor replacement therapy—are revealed by cytologic examination of vaginal smears. Since estrogen is essential for their maturation, the predominance of superficial cells is an indicator of high estrogen levels—characteristic of the younger woman. Postmenopausal estrogen depletion is characterized by a corresponding decline in superficial cells and a significant rise in parabasal cells.

THERAPY AS SPECIFIC AS THE PROBLEM

Cytologic examination of vaginal smears can be used as part of the diagnosis of estrogen deficiency. Topical application of PREMARIN® (Conjugated Estrogens, U.S.P.) Vaginal Cream may be appropriate. Therapy is concentrated just where it is needed—in the vaginal environment.

PREMARIN Vaginal Cream has been shown to significantly increase the number of superficial cells in menopausal women within one month. It stimulates epithelial proliferation of the vulva and vagina—returning them to a healthier state in one or two weeks. Symptoms such as dryness, burning, and itching are relieved. Vaginal pH reverts to normal acidity. Normal flora are reestablished, reducing the possibility of local or general infection. Dyspareunia, associated with atrophic vaginitis, is also alleviated.

When vaginal atrophy is the only consequence of estrogen deficiency, PREMARIN Vaginal Cream helps return the vaginal environment to its premenopausal state.

Please see last page for brief summary of prescribing information.

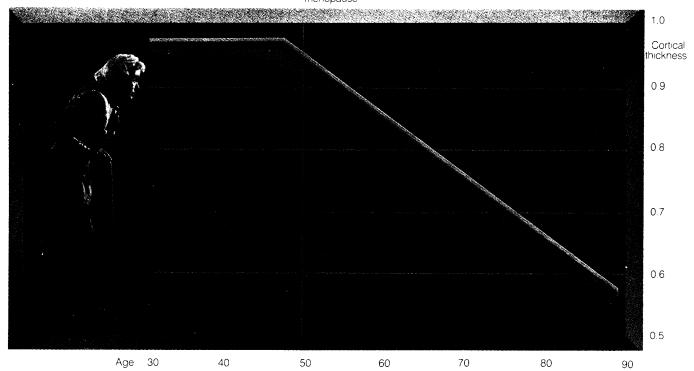
FOR ATROPHIC VAGINITIS

PREMARIN° (CONJUGATED ESTROGENS, U.S.P.) VAGINAL CREAM



THE DISABLING COURSE OF OSTEOPOROSIS

Average age of menopause



The graph demonstrates the decrease in cortical thickness that commences just prior to 50 years—
the mean menopausal age in women—and accelerates precipitously thereafter

—adapted from Worley. p 204.⁶

THE SOONER TREATMENT BEGINS, THE BETTER

Once osteoporosis is diagnosed, PREMARIN® (Conjugated Estrogens Tablets, U.S.P.) may prove highly beneficial in retarding further bone loss* PREMARIN treatment should be initiated promptly after osteoporosis is detected to help arrest bone resorption throughout the skeleton, including long bones, pelvic bones, and vertebrae—which are particularly susceptible to trauma. Along with PREMARIN, evaluation of diet, calcium intake, and physical exercise is recommended.

Watching for early warning signals of osteoporosis in highrisk patients is vital. These individuals can be identified by a composite of certain characteristics: white race, slender, slight build, premature or surgical menopause, sedentary life-style, family history of the disease, as well as high caffeine intake, cigarette smoking, and alcoholism.

Osteoporosis affects one of four postmenopausal women.⁷ Based on 1980 census data which reports that 23.3 million women were in the 45–64 year age group, over 5 million women may suffer from this condition.⁸ Once the damage is done, it is too late to restore bone that has been lost. That's why scientific literature stresses the need for early detection.⁹ After osteoporosis is confirmed, early intervention with PREMARIN may be the best course to take.

Please see last page for brief summary of prescribing information.

FOR POSTMENOPAUSAL OSTEOPOROSIS*

PREMARIN® (CONJUGATED ESTROGENS TABLETS, U.S.P.)







1.25 mg



0.3 mg 0.625 mg

The appearance of these tablets is a trademark of Ayerst Laboratories.

*Conjugated Estrogens Tablets have been evaluated as probably effective for treating postmenopausal osteoporosis.

BRIEF SUMMARY (FOR FULL PRESCRIBING INFORMATION AND PATIENT INFORMATION, SEE PACKAGE CIRCULAR)
PREMARIN® Brand of Conjugated Estrogens Tablets, U.S.P.
PREMARIN® Brand of Conjugated Estrogens, U.S.P. Vaginal Cream in a nonliquefying base

ESTROGENS HAVE BEEN REPORTED TO INCREASE THE RISK OF ENDOMETRIAL

1. ESTROGENS HAVE BEEN REPORTED TO INCREASE THE KISK OF ENDOMETRIAL CARCINOMA.

Three independent case control studies have reported an increased risk of endometrial cancer in postmenopausal women exposed to exogenous estrogens for more than one year. This risk was independent of the other known risk factors for endometrial cancer. These studies are further supported by the finding that incidence rates of endometrial cancer have increased sharply since 1969 in eight different areas of the United States with population-based cancer reporting systems, an increase which may be related to the rapidly expanding use of estrogens during the last decade. The three case control studies reported that the risk of endometrial cancer in estrogen users was about 4.5 to 13.9 times greater than in nonusers. The risk appears to depend on both duration of treatment and on estrogen dose. In view of these findings, when estrogens are used for the treatment of menopausal symptoms, the lowest dose that will control symptoms should be utilized and medication should be discontinued as soon as possible. When prolonged treatment is medically indicated, the patient should be reassessed on at least a semiannual basis to determine the need for continued therapy. Although the evidence must be considered preliminary, one study suggests that cyclic administration of low doses of estrogen may carry less risk than continuous administration; it therefore appears prudent to utilize such a regimen. Close clinical surveillance of all women taking estrogens is important. In all cases of undiagnosed persistent or recurring abnormal vaginal bleeding, adequate diagnostic measures should be undertaken to rule out malignancy. There is no evidence at present that natural 'estrogens are more or less hazardous than "synthetic" estrogens at equiestrogenic doses.

2 ESTROGENS SHOULD NOT BE USED DURING PREGNANCY

ses. Estrogens should not be used during pregnancy.

2. ESTROGENS SHOULD NOT BE USED DURING PREGNANCY.

The use of female sex hormones, both estrogens and progestogens, during early pregnancy may seriously damage the offspring. It has been shown that females exposed in utero to diethylstilbestrol, a non-steroidal estrogen, have an increased risk of developing in later life a form of vaginal or cervical cancer that is ordinarily extremely rare. This risk has been estimated as not greater than 4 per 1000 exposures. Furthermore, a high percentage of such exposed women (from 30 to 90 percent) have been found to have vaginal adenosis, epithelial changes of the vagina and cervix. Although these changes are histologically benign, it is not known whether they are precursors of malignancy. Although similar data are not available with the use of other estrogens, it cannot be presumed they would not induce similar changes. Several reports suggest an association between intrauterine exposure to female sex hormones and congenital anomalies, including congenital heart defects and limb reduction defects. One case control study estimated a 4.7-fold increased risk of limb reduction defects in infants exposed in utero to sex hormones (oral contraceptives, hormone withdrawal tests for pregnancy, or attempted study estimated a 4.7-fold increased risk of limb reduction defects in infants exposed in utero to sex hormones (oral contraceptives, hormone withdrawal tests for pregnancy, or attempted treatment for threatened abortion). Some of these exposures were very short and involved only a few days of treatment. The data suggest that the risk of limb reduction defects in exposed fetuses is somewhat less than 1 per 1000. In the past, female sex hormones have been used during pregnancy in an attempt to treat threatened or habitual abortion. There is considerable evidence that estrogens are ineffective for these indications, and there is no evidence from well controlled studies that progestogens are effective for these uses. If PREMARIN is used during pregnancy, or if the patient becomes pregnant while taking this drug, she should be apprised of the potential risks to the fetus, and the advisability of pregnancy continuation.

DESCRIPTION: PREMARIN (Conjugated Estrogens, U.S.P.) contains a mixture of estrogens, obtained exclusively from natural sources, blended to represent the average composition of material derived from pregnant mares' urine. It contains estrone, equilin, and 17α -dihydroequilin, together with smaller amounts of 17α -estradiol, equilenin, and 17α -dihydroequilenin as salts of their sulfate

INDICATIONS: Based on a review of PREMARIN Tablets by the National Academy of Sciences—National Research Council and/or other information. FDA has classified the indications for use as follows:

Effective: 1. Moderate to severe vasomotor symptoms associated with the menopause. (There is no evidence that estrogens are effective for nervous symptoms or depression without associated vasomotor symptoms, and they should not be used to treat such conditions.)

- Atrophic vaginitis
- Kraurosis vulvae
- Female hypogonadism Female castration Primary ovarian failure
- Breast cancer (for palliation only) in appropriately selected women and men with static disease

metastatic disease.

8. Prostatic carcinoma — palliative therapy of advanced disease.

9. Postpartum breast engorgement — Although estrogens have been widely used for the prevention of postpartum breast engorgement, controlled studies have demonstrated that the incidence of significant painful engorgement in patients not receiving such hormonal therapy is low and usually responsive to appropriate analgesic or other supportive therapy. Consequently, the benefit to be derived from estrogen therapy for this indication must be carefully weighed against the potential increased risk of puerperal thromboembolism associated with the use of large doses of estrogens.

PREMARIN HAS NOT BEEN SHOWN TO BE EFFECTIVE FOR ANY PURPOSE DURING PREGNANCY AND ITS USE MAY CAUSE SEVERE HARM TO THE FETUS (SEE BOXED WARNING).

PRECINANCY AND TIS GOD THE STATE OF THE STAT

and good general health-promoting measures. Final classification of this indication requires further investigation.

INDICATIONS: PREMARIN (Conjugated Estrogens, U.S.P.) Vaginal Cream is indicated in the treatment of atrophic vaginitis and kraurosis vulvae. PREMARIN Vaginal Cream HAS NOT BEEN SHOWN TO BE EFFECTIVE FOR ANY PURPOSE DURING PREGNANCY AND ITS USE MAY CAUSE SEVERE HARM TO THE FETUS (SEE BOXED WARNING).

CONTRAINDICATIONS: Estrogens should not be used in women (or men) with any of the following conditions: 1. Known or suspected cancer of the breast except in appropriately selected patients being treated for metastatic disease. 2. Known or suspected estrogen-dependent neoplasia. 3. Known or suspected pregnancy (See Boxed Warning). 4. Undiagnosed abnormal genital bleeding. 5. Active thrombophebitis or thromboembolic disorders associated with previous estrogen use (except when used in treatment of breast or prostatic malignancy).

WARNINGS: Long term continuous administration of natural and synthetic estrogens in certain animal species increases the frequency of carcinomas of the breast, cervix, vagina, and liver. There are now reports that estrogens increase the risk of carcinoma of the endometrium in humans. (See Boxed Warning.) At the present time there is no satisfactory evidence that estrogens given to postmenopausal women increase the risk of carcinor of the preast, although a recent study has raised this possibility. There is a need for caution in prescribing estrogens for women with a strong family history of breast cancer or who have breast nodules, fibrocystic disease, or abnormal mamnograms. A recent study has reported a 2 to 3 -fold increase in the risk of surgically confirmed gallbladder disease in women receiving postmenopausal estrogens.

Adverse effects of oral contraceptives may be expected at the larger doses of estrogen used to treat prostatic or breast cancer or postpartum breast engorgement; it has been shown that there is an increased risk of thrombosis in men receiving estrogens fo

thromboembolic and thrombotic adverse effects should be considered a clear risk.

Benign hepatic adenomas should be considered in estrogen users having abdominal pain and tenderness, abdominal mass, or hypovolemic shock. Hepatocellular carcinoma has been reported in women taking estrogen-containing oral contraceptives. Increased blood pressure may occur with use of estrogens in the menopause and blood pressure should be monitored with estrogen use. A worsening of glucose tolerance has been observed in patients on estrogen-containing oral contraceptives. For this reason, diabetic patients should be carefully observed. Estrogens may lead to severe hypercalcemia in patients with breast cancer and bone metastases.

PRECAUTIONS: Physical examination and a complete medical and family history should be taken prior to the initiation of any estrogen therapy with special reference to blood pressure, breasts, abdomen, and pelvic organs, and should include a Papanicolau smear. As a general rule, estrogen should not be prescribed for longer than one year without another physical examination being performed. Conditions influenced by fluid retention such as asthma, epilepsy migraine, and cardiac or renal dysfunction, require careful observation. Certain patients may develop manifestations of excessive estrogenic stimulation, such as abnormal or excessive uterine bleeding, mastodynia, etc. Oral contraceptives appear to be associated with an increased incidence of mental depression. Patients with a history of depression should be carefully observed. Preexisting uterine leiomyomata may increase in size during estrogen use. The pathologist should be advised of estrogen therapy when relevant specimens are submitted. If jaundice develops in any patient receiving estrogen, the medication should be discontinued while the cause is investigated. Estrogens should be used with reare in patients with impaired liver function, renal insufficiency metabolic bone diseases associated with hypercalcemia, or in young patients in whom bone growth

d. Impaired glucose tolerance.
e. Decreased pregnanediol excretion.
f. Reduced response to metyrapone test.
g. Reduced serum folate concentration.

f. Reduced response to metyrapone test.
g. Reduced serum folate concentration.
h. Increased serum triglyceride and phospholipid concentration.
h. Increased serum triglyceride and phospholipid concentration.
As a general principle, the administration of any drug to nursing mothers should be done only when clearly necessary since many drugs are excreted in humanmilk.

ADVERSE REACTIONS: The following have been reported with estrogenic therapy, including oral contraceptives: breakthrough bleeding, spotting, change in menstrual flow; dysmenorrhea; premenstrual-like syndrome; amenorrhea during and after treatment; increase in size of uterine fibromyomata; vaginal candidiasis, change in cervical erosion and in degree of cervical secretion; cystitis-like syndrome; tenderness, enlargement, secretion (of breasts); nausea, vomiting, abdominal cramps, bloating; cholestatic jaundice; chloasma or melasma which may persist when drug is discontinued; erythema multiforme; erythema nodosum; hemorrhagic eruption; loss of scalp hair; hirsutism; steepening of corneal curvature; intolerance to contact lenses; headache, migraine, dizziness, mental depression, chorea; increase or decrease in weight; reduced carbohydrate tolerance; aggravation of porphyria; edema; changes in libido.

ACUTE OVERDOSAGE: May cause nausea, and withdrawal bleeding may occur in females.

DOSAGE AND ADMINISTRATION:
PREMARIN® Brand of Conjugated Estrogens Tablets, U.S.P.

1. Given cyclically for short-term use only. For treatment of moderate to severe vasomotor symptoms, atrophic vaginitis, or kraurosis vulvae associated with the menopause (0.3 to 1.25 mg or more daily).

The lowest dose that will control symptoms should be chosen and medication should be discontinue or taper mediciation should be made at three to six month intervals.

2. Given cyclically: Fernale hypogonadism. Fernale castration. Primary ovarian failure. Osteoporosis.

2. Given cyclically: remaie nypogonausini. remaie cases and continuity.

Female hypogonadism—2.5 to 7.5 mg daily, in divided doses for 20 days, followed by a rest period of 10 days' duration. If bleeding does not occur by the end of this period, the same dosage schedules repeated. The number of courses of estrogen therapy necessary to produce bleeding may vary depending on the responsiveness of the endometrium.

If bleeding occurs before the end of the 10 day period, begin a 20 day estrogen-progestin cyclic regimen with PREMARIN (Conjugated Estrogens Tablets, U.S.P.), 2.5 to 7.5 mg daily in divided doses, for 20 days. During the last five days of estrogen therapy, give an oral progestin. If bleeding occurs before this regimen is concluded, therapy is discontinued and may be resumed on the fifth day of bleeding.

before this regimen is concluded, therapy is discontinued and may be resumed on the fifth day of bleeding. Female castration and primary ovarian failure—1.25 mg daily, cyclically. Adjust upward or downward according to response of the patient. For maintenance, adjust dosage to lowest level that will provide effective control.

Osteoporosis (to retard progression)—1.25 mg daily, cyclically.

3. Given for a few days: Prevention of postpartum breast engorgement—3.75 mg every four hours for five doses, or 1.25 mg every four hours for five days.

4. Given chronically: Inoperable progressing prostatic cancer—1.25 to 2.5 mg three times daily. Inoperable progressing breast cancer in appropriately selected men and postmenopausal women—10 mg three times daily for a period of at least three months.

Patients with an intact uterus should be monitored for signs of endometrial cancer and appropriate measures that or recurring abnormal vaginal bleeding.

bleeding.

PREMARIN® Brand of Conjugated Estrogens, U.S.P. Vaginal Cream

Given cyclically for short-term use only. For treatment of atrophic vaginitis or kraurosis vulvae.

The lowest dose that will control symptoms should be chosen and medication should be

discontinued as promptly as possible.

Administration should be cyclic (e.g., three weeks on and one week off).

Attempts to discontinue or taper medication should be made at three to six month intervals.

Usual dosage range: 2 to 4 g daily, intravaginally or topically, depending on the severity of the

condition. Treated patients with an intact uterus should be monitored closely for signs of endometrial cancer and appropriate diagnostic measures should be taken to rule out malignancy in the event of persistent or recurring abnormal vaginal bleeding.

HOW SUPPLIED: PREMARIN (Conjugated Estrogens Tablets, U.S.P.) No. 865—Each purple tablet contains 2.5 mg in bottles of 100 and 1,000. Also in unit dose package of 100. No. 866—Each yellow tablet contains 1.25 mg in bottles of 100 and 1,000. Also in unit dose package of 100. No. 867—Each red tablet contains 0.625 mg in bottles of 100 and 1,000. Also in unit dose package of 100. No. 868—Each green tablet contains 0.3 mg in bottles of 100 and 1,000. PREMARIN (Conjugated Estrogens, U.S.P.) Vaginal Cream—No. 872—Each gram contains 0.625 mg Conjugated Estrogens, U.S.P. (Also contains cetyl esters wax, cetyl alcohol, white wax, glyceryl monostearate, propylene glycol monostearate, methyl stearate, phenylethyl alcohol, sodium lauryl sulfate, glycerin, and mineral oil.)

Combination package: Each contains Net Wt. 1½ oz. (42.5 g) tube with one calibrated plastic

Combination package: Each contains Net Wt. 1½ oz. (42.5 g) tube with one calibrated plastic

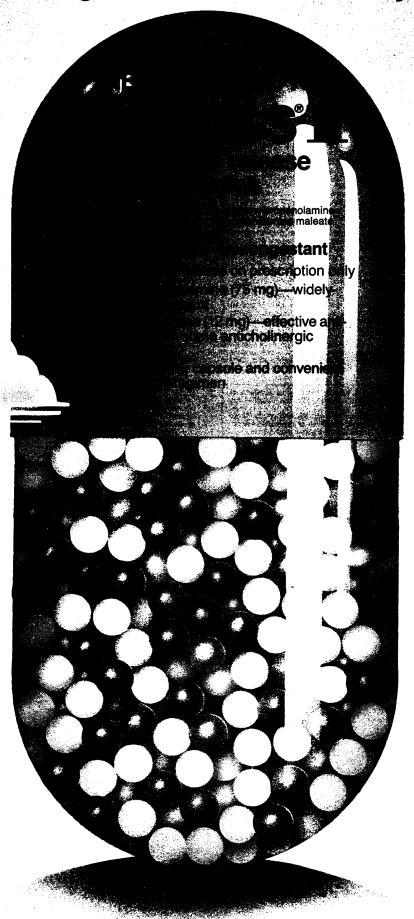
applicator.

Also Available—Refill package: Each contains Net Wt. 1½ oz. (42.5 g) tube.

REFFRENCES: 1. Erilk Y. Tataryn IV. Meldrum DR, et al: Association of waking episodes with menopausal hot flushes. JAMA 1981;245:1741-1744. 2. Judd HL, Meldrum DR, Deftos LJ, et al: Estrogen replacement therapy. Indications and complications. Ann Intern Med 1983;98:195-205. 3. Estrogen replacement therapy. ACOG Tech Bull, June 1983, pp.1-5. 4. Ayers LJ: The maturation index: A test for estrogen deficiency. Female Patient 1982;7:32-36. 5. Semmens JP. Wagner G: Estrogen deprivation and vaginal function in postmenopausal women. JAMA 1982;248:445-448. 6. Worley RJ: Age, estrogen, and bone density. Clin Obstet Gynecol 1981;24:203-218. 7. Gordan GS, Picchi J, Roof BS, et al: Postmenopausal osteoporosis. Am Fam Physician 1973;8:74-83. 8. US Bureau of the Census, Statistical Abstract of the United States 1982-83. ed. 103. Washington, DC, US Dept of Commerce, 1982, p.25. 9. Mallette LE: Osteoporosis: Approaching treatment with optimism. Postgrad Med 1982;72:271-278.



For effective symptomatic relief of allergies and nasal congestion with little excess drying



Your practice very best

We feel it deserves a little special treatment.

After all, it's your livelihood.

Phone or write Management Systems of Wausau and discover how smoothly your practice can run. Imagine your bills going out on time without any worry or bother on your part at all. Imagine insurance claims processed without problems, recall notices for follow-up care issued automatically, lists of patients and surgeries provided on demand. Please be assured that we won't introduce new medical management procedures and then bid you a fast farewell. We've built a reputation for outstanding service; we'll always be

there to help. Our method is to diagnose your problems and then offer consultations, prescriptions and continual support to solve them.

DIAGNOSES Unlike typical computer management companies, we never start by presenting a service and trying to shoehorn it into your medical office. Actually, we offer so many services that our first question will

be: "What do you really need?" Then let's sit down and list your billing needs, collection needs, insurance processing needs, management reporting needs, appointment scheduling needs, general business needs, and medical reporting needs. Together, we'll also clarify what you don't need. Only then can an efficient, costeffective program be chosen for your medical office.

CONSULTATIONS In plain English, not computer or management jargon, we'll explain how to strengthen your financial control. For example, we can help you design more effective statements, collection notices, and routing slips.

Please remember that, while we are always available, we do not make excessive demands on your time. The idea is not to take time, but to save time. Our goal is to free your staff to devote more time to patients and less to paperwork.

deserves the of care.

PRESCRIPTIONS We prescribe only what you really need. Maybe it's a service bureau relationship to get your bills out. Maybe it's your own IBM Personal

Computer. Maybe it's a sophisticated in-house system. Maybe it's an instant hook up with computers at Wausau that lets you launch a billing cycle without addressing an envelope or licking a stamp.

PROGNOSES Your prognosis should be excellent. We serve more than 400 medical offices in 30 states, and they

are reporting results such as these:

"Swifter cash flow." "Stronger financial control."

"No month's end billing rush." "Improved collection rate." "Reduced number of lost charges."
"Better use of staff." "Automated processing of insurance claims." "Computerized monitoring of patient care." "Automatic issuing of patient recall notices."

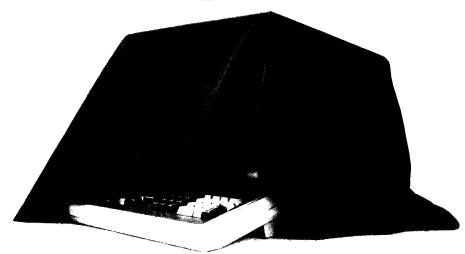
You won't have to hire more people to achieve these goals. Nor do you have to take an advanced course in computer technology. All it takes is willingness on your part—plus resources, know-how, and extra care on ours.

Why not give your practice the attention it deserves? Phone today or mail the coupon for more details.

You'll receive a free Medical Office Management Guide filled with ideas you can use right now, including a workbook-like section for diagnosing your own needs. And there is no obligation of any kind.

Rx MAIL WITHIN	10 DAYS	
Yes, please send me your easy-to-use <i>Medical</i> absolutely free. I understand there's no obligat	Office Management Guide lion.	a sample de la company
NAMETITLE		
(please print) MEDICAL OFFICE		
ADDRESS		
CITYSTATE.	ZIP	
PHONENO. OF PHYSICIANS_	SPECIALTY	MEDICA
SYSTEMS Waus In W	Igement Systems of Wausau Box 1000 Igentary 1800 826-0028 Igentary 1800 472-0023	MANAGEMENT GUIDE

On March 1, every medical computer system became obsolete. Except one.



Let us show you the one...

he new medical computer system by Poorman-Douglas. The culmination of 25 years of specialized service to the medical profession. Developed from the collected experience of 1600 physicians in the West. Designed to

handle the specific needs of practice administration through commonsense functions and proven ease of operation. From the West's most supportive medical computer company.

Compare Poorman-Douglas against the others:

System	Poorman-Douglas	Brand X	Brand Y	Brand Z
Sophisticated computing power in a desktop package	√			
2. Works like your ledger cards	V			
3. Manages pre-paid claims	V			
Personal computer terminal	1			
5. Automated patient profile system	1			
6. Computer-to-computer diagnostics	V			
7. Backed by 25 years' experience, serving over 1600 physicians	V			

For a closer look at what the medical profession will be coming to ... call.

1-800-547-4407

POORMAN-DOUGLAS CORPORATION 1325 S.W. Custer, Portland, Oregon (503) 245-5555

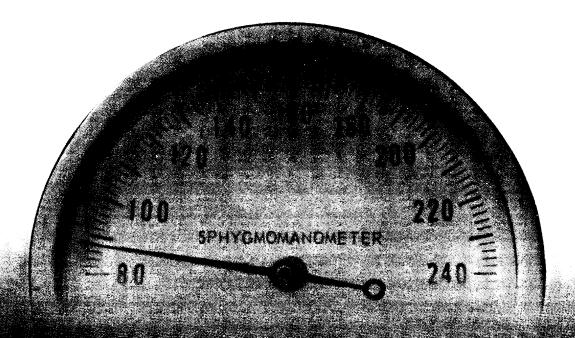


Available in California, Washington and Oregon only

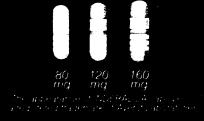
with optimal simplicity

Benefits diuretics cannot offer ... Once-daily INDERAL LA (propranolol HCl) provides smooth, 24-hour control of blood pressure plus the cardiovascular benefits of the world's leading beta blocker. And INDERAL LA provides a high degree of patient acceptance—without potassium problems.

Experience no other beta blocker can match...Once-daily INDERAL LA delivers the proven performance and safety profile of INDERAL tablets—confirmed by millions of patients during 16 years of clinical use. INDERAL LA should not be used in congestive heart failure, sinus bradycardia, heart block greater than first degree, or bronchial asthma.



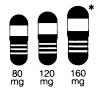
Start with 80 mg once daily... Dosage may be increased to 120 mg or 160 mg once daily as needed to achieve additional control. Please see next page for further details and brief summary of prescribing information.



Ayerst

Just once each day for initial therapy in HYPERTENSION.





BRIEF SUMMARY (FOR FULL PRESCRIBING INFORMATION, SEE PACKAGE CIRCULAR.)

INDERAL* LA brand of propranolol hydrochloride (Long Acting Capsules.)

DESCRIPTION. Inderal LA is formulated to provide a sustained release of propranolol hydrochloride. Inderal LA is available as 80 mg, 120 mg, and 160 mg capsules.

CLINICAL PHARMACOLOGY. INDERAL is a nonselective beta-adrenergic receptor blocking agent possessing no other autonomic nervous system activity. It specifically competes with beta-adrenergic receptor stimulating agents for available receptor sites. When access to beta-receptor sites is blocked by INDERAL, the chronotropic, inotropic, and vasodilator responses to beta-adrenergic stimulation are decreased proportionately. INDERAL LA Capsules (80, 120, and 160 mg) release propranolol HCI at a controlled and predictable rate. Peak blood levels following dosing with INDERAL LA Occur at about 6 hours and the apparent plasma half-life is about 10 hours. When measured at steady state over a 24-hour period the areas under the propranolol plasma concentration-time curve (AUCs) for the capsules are approximately 60% to 65% of the AUCs for a comparable divided daily dose of INDERAL tablets. The lower AUCs for the capsules are due to greater hepatic metabolism of propranolol, resulting from the slower rate of absorption of propranolol. Over a twenty-four (24) hour period, blood levels are fairly constant for about twelve (12) hours then decline exponentially.

nour period. Dood levels are fairly constant for about twerve (12) nours filed decline exponentially.

INDERAL LA should not be considered a simple mg for mg substitute for conventional propranolol and the blood levels achieved do not match (are lower than) those of two to four times daily dosing with the same dose. When changing to INDERAL LA from conventional propranolol, a possible need for retitration upwards should be considered especially to maintain effectiveness at the end of the dosing interval. In most clinical settings, however, such as hypertension or angina where there is little correlation between plasma levels and clinical effect, INDERAL LA has been therapeutically equivalent to the same mg dose of conventional INDERAL as assessed by 24-hour effects on blood pressure and on 24-hour exercise responses of heart rate, systolic pressure and rate pressure product. INDERAL LA can provide effective beta blockade for a 24-hour period.

The mechanism of the antihypertensive effect of INDERAL has not been established. Among the factors that may be involved in contributing to the antihypertensive action are (1) decreased cardiac output, (2) inhibition of renin release by the kidneys, and (3) diminution of tonic sympathetic nerve outflow from vasomotor centers in the brain. Although total peripheral resistance may increase initially, it readjusts to or below the pretreatment level with chronic use. Effects on plasma volume appear to be minor and semewhat variable. INDERAL has been shown to cause a small increase in serum potassium concentration when used the treatment of hypertensive patients.

been shown to cause a small interease in serum pocassit treatment of hypertensive patients. In angina pectoris, propranolol generally reduces the any given level of effort by blocking the catecholamine systolic blood pressure, and the velocity and extent of may increase oxygen requirements by increasing left pressure and systolic ejection period. The net physiolis usually advantageous and is manifested during swern increased work capacity.

is usually advantageous and is manifested during mercise delayed of parametric seased work capacity.

In dosages greater than required for beta blockade, INDERAL also exerts a quinidineor anesthetic-like membrane action which affects the management of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane action in the treatment of a contract of the membrane activity is detrimed to the contract of the membrane activity of the membrane activity of the contract of the membrane activity which should be preserved in the presence of AV block, greater than first degree, beta blockade may prevent the necessary facilitating effect of sympathetic activity on conduction. Beta blockade results in bronchial constriction by interfering with adrenergic bronchodilator activity which should be preserved in patients subject to bronchospasm.

Propranolol is not significantly dialyzable.

INDERAL LA is indicated in the management of hypertension; it may be used alone or used in combination with other antihypertensive agents, particularly a thiazide diuretic. INDERAL LA is indicated in the management of hypertensive emergencies.

agents, particularly a thiazide diuretic. INDERAL LA is not indicated in the management of hypertensive emergencies.

Angina Pectoris Due to Coronary Atherosclerosis: INDERAL LA is indicated for the long-term management of patients with angina pectoris:

Migraine: INDERAL LA is indicated for the prophylaxis of common migraine headache. The efficacy of propranolol is not indicated for the prophylaxis of common migraine headache. The efficacy of propranolol is not indicated for such use.

Hypertrophic Subacrtic Stenosis: INDERAL LA is useful in the management of hypertrophic subacrtic Stenosis: INDERAL LA is useful in the management of hypertrophic subacrtic stenosis, especially for treatment of exertional or other stress-induced angina, palpitations, and syncope. INDERAL LA also improves exercise performance. The effectiveness of propranolol hydrochloride in this disease appears to be due to a reduction of the elevated outflow pressure gradient which is exacerbated by beta-receptor stimulation. Clinical improvement may be temporary.

CONTRAINDICATIONS. INDERAL is contraindicated in 1) cardiogenic shock; 2) sinus bradycardia and greater than first degree block; 3) bronchial asthma; 4) congestive heart failure (see WARNINGS) unless the failure is secondary to a tachyarrhythmia treatable with INDERAL.

INDERAL.

WARNINGS. CARDIAC FAILURE: Sympathetic stimulation may be a vital component supporting circulatory function in patients with congestive heart failure, and its inhibition by beta blockade may precipitate more severe failure. Although beta blockers should be avoided in overt congestive heart failure, if necessary, they can be used with close follow-up in patients with a history of failure who are well compensated and are receiving digitalis and diuretics.

Beta-adrenergic blocking agents do not abolish the inotropic action of digitalis on heart muscle.

muscle.

IN PATIENTS WITHOUT A HISTORY OF HEART FAILURE, continued use of beta blockers can, in some cases, lead to cardiac failure. Therefore, at the first sign or symptom of heart failure, the patient should be digitalized and/or treated with diuretics, and the response observed closely, or INDERAL should be discontinued (gradually, if possible).

IN PATIENTS WITH ANGINA PECTORIS, there have been reports of exacerbation of angina and, in some cases, myocardial infarction, following abrupt discontinuance of INDERAL therapy. Therefore, when discontinuance of INDERAL is planned the dosage should be gradually reduced over at least a few weeks, and the patient should be cautioned against interruption or cessation of therapy without the physician's advice. If INDERAL therapy is interrupted and exacerbation of angina occurs, it usually is advisable to reinstitute INDERAL therapy and take other measures appropriate for the management of unstable angina pectoris. Since coronary artery disease may be unrecognized, it may be prudent to follow the above advice in patients considered at risk of having occult atherosclerotic heart disease who are given propranolol for other indications.

Nonallergic Bronchospasm (e.g., chronic bronchitis, emphysema)—
PATIENTS WITH BRONCHOSPASTIC DISEASES SHOULD IN GENERAL NOT RECEIVE BETA
BLOCKERS. INDERAL should be administered with caution since it may block bronchodilation produced by endogenous and exogenous catecholamine stimulation of beta receptors

MAJOR SURGERY: The necessity or desirability of withdrawal of beta-blocking therapy prior to major surgery is controversial. It should be noted, however, that the impaired ability of the heart to respond to reflex adrenergic stimuli may augment the risks of general anesthesia

and surgical procedures.

INDERAL (propranolol HCI), like other beta blockers, is a competitive inhibitor of beta-receptor agonists and its effects can be reversed by administration of such agents. e.g. dobutamine or isoproterenol. However, such patients may be subject to protracted severe hypotension. Difficulty in starting and maintaining the heartbeat has also been reported with

beta blockers

DIABETES AND HYPOGLYCEMIA: Beta-adrenergic blockade may prevent the appearance of certain premonitory signs and symptoms (pulse rate and pressure changes) of acute hypoglycemia in labile insulin-dependent diabetes. In these patients, it may be more difficult to adjust the dosage of insulin.

HYROTOXICOSIS: Beta blockade may mask certain clinical signs of hyperthyroidism. Therefore, abrupt withdrawal of propranolol may be followed by an exacerbation of symptoms of hyperthyroidism, including thyroid storm. Propranolol does not distort thyroid function tests. In PATIENTS WITH WOLFF-PARKINSON-WHITE SYNDROME, several cases have been reported in which, after propranolol, the tachycardia was replaced by a severe bradycardia requiring a demand pacemaker. In one case this resulted after an initial dose of 5 mg propranolol.

propranoiol. PRECAUTIONS. General: Propranoiol should be used with caution in patients with impaired hepatic or renal function. INDERAL is not indicated for the treatment of hypertensive

emergencies.

Beta adrenoreceptor blockade can cause reduction of intraocular pressure. Patients should be told that INDERAL may interfere with the glaucoma screening test. Withdrawal may lead to a return of increased intraocular pressure.

Clinical Laboratory Tests: Elevated blood urea levels in patients with severe heart disease, elevated serum transaminase, alkaline phosphatase, lactate dehydrogenase.

DRUG INTERACTIONS: Patients receiving catecholamine-depleting drugs such as reserpine should be closely observed if INDERAL is administered. The added catecholamine

blocking action may produce an excessive reduction of resting sympathetic nervous activity which may result in hypotension, marked bradycardia, vertigo, syncopal attacks, or orthostatic

Carcinogenesis, Mutagenesis, Impairment of Fertility: Long-term studies in animals have been conducted to evaluate toxic effects and carcinogenic potential. In 18-months studies in both rats and mine employing doses up to 150 mg/kg/day, there was no evidence of significant of the dosage for the dosage in the dosa

ncy Cathory C. INDERAL has been shown to be embryotoxic in the control of the con

ss in children have not been established se effects have been mild and transient and have heart failure; intensification of AV block; hypo-

urpura; arterial insufficiency, usually of the

Raynaud type.

Central Nervous System in headedness; mental depression manifested by insomnia, lassitude, weakness, fatigue, neversible mental depression progressing to catatonia; visual disturbances; hallucinations; an acute reversible syndrome characterized by disorientation for time and place, short-term memory loss, emotional lability, slightly clouded sensorium, and decreased performance on neuropsychometrics.

decreased performance on neuropsychometrics.

Gastrointestinal: nausea, vomiting, epigastric distress, abdominal cramping, diarrhea, constipation, mesenteric arterial thrombosis, ischemic colitis.

Allergic: pharyngitis and agranulocytosis, erythematous rash, fever combined with aching and sore throat, laryngospasm and respiratory distress.

Respiratory: bronchospasm.

Hematologic: agranulocytosis, nonthrombocytopenic purpura, thrombocytopenic

Auto-Immune: In extremely rare instances, systemic lupus erythematosus has been

Miscellaneous: alopecia, LE-like reactions, psoriasiform rashes, dry eyes, male impo-tence, and Peyronie's disease have been reported rarely. Oculomucocutaneous reactions involving the skin, serous membranes and conjunctivae reported for a beta blocker (practolol) have not been associated with propranolol.

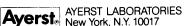
Involving the skin, serous membranes and conjunctivae reported for a beta blocker (praction) have not been associated with propranolol.

DOSAGE AND ADMINISTRATION. INDERAL LA provides propranolol hydrochloride in a sustained-release capsule for administration once daily. If patients are switched from INDERAL tablets to INDERAL LA capsules, care should be taken to assure that the desired therapeutic effect is maintained. INDERAL LA should not be considered a simple mg for mg substitute for INDERAL. INDERAL LA has different kinetics and produces lower blood levels. Retitration may be necessary especially to maintain effectiveness at the end of the 24-hour dosing interval. HYPERTENSION—**Dosage must be individualized.** The usual initial dosage is 80 mg INDERAL LA once daily, whether used alone or added to a diuretic. The dosage may be increased to 120 mg once daily or higher until adequate blood-pressure control is achieved. The usual maintenance dosage is 120 to 160 mg once daily. In some instances a dosage of 640 mg may be required. The time needed for full hypertensive response to a given dosage is variable and may range from a few days to several weeks.

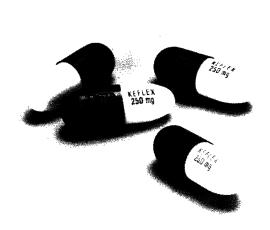
ANGINA PECTORIS—Dosage must be individualized.** Starting with 80 mg INDERAL LA once daily, dosage should be gradually increased at three to seven day intervals until optimum response is obtained. Although individual patients may respond at any dosage level, the average optimum dosage appears to be 160 mg once daily in angina pectoris, the value and safety of dosage exceeding 320 mg per day have not been established. It reatment is to be discontinued, reduce dosage gradually over a period of a few weeks. (If exements is to be discontinued, reduce dosage gradually over a period of a few weeks.

If treatment is to be discontinued, reduce dosage gradually over a period of a few weeks (see WARNINGS).

MIGRAINE—Dosage must be individualized. The initial oral dose is 80 mg INDERAL LA once daily. The usual effective dose range is 160-240 mg once daily. The dosage may be increased gradually to achieve optimum migraine prophylaxis. If a satisfactory response is not obtained within four to six weeks after reaching the maximum dose. INDERAL LA therapy should be discontinued. It may be advisable to withdraw the drug gradually over a period of several weeks.



easy to take

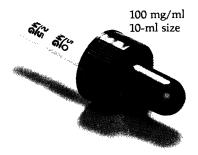


Oral Suspension
250 mg/5 ml
100 and 200-ml
sizes

125 mg/5 ml
60, 100, and
200-ml sizes

Pediatric Drops

250-mg Pulvules®



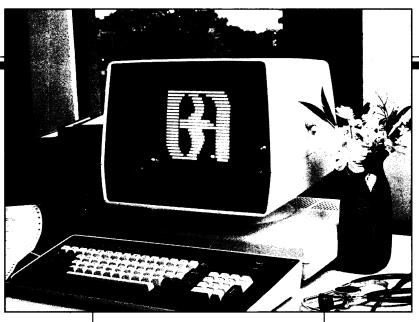


Additional information available to the profession on request.



Dista Products Company
Division of Eli Lilly and Company
Indianapolis, Indiana 46285
Mfd. by Eli Lilly Industries, Inc.
Carolina, Puerto Rico 00630

Bank of America introduces the newest, most efficient member of your billing department.



On-Line Professional Practice Management —

a convenient new way of handling your patient billing and insurance claim filing. Instead of pushing a lot of paper, you simply push a few buttons. PPM and Bank of America will do the rest. Instantly. Accurately. And efficiently.

Does a lot more. In a lot less

time. PPM gives you immediate access to patient records and billing information. Plus the financial information you need to run your practice. Electronic insurance claim filing is just as easy. And, since PPM is flexible, it can create state-

ment schedules and accounting periods to fit your individual billing needs. In fact, PPM will even prepare and mail your statements for you!

BANK IT AMERICANTASA - NEMBER TO IN BANK IT AMERICANTS

Compatible with your staff. And your practice.

Since PPM was designed by health care professionals, the software offers easy to-understand prompting instructions that speak your language. And PPM is compatible with a wide variety of terminals and personal computers. We have the software

and the computer specialists for help make

PPM work its hardest for you.

Surrounded by experts. Backed by the Leader.

With PPM, you won't have to worry about the technical details.

We have the resources, staff and computer capabilities to provide reliable, cost-

effective service. And, with over 20 years' experience as health care accounting specialists, we know what it takes to make your accounting and billing more efficient. You can depend on PPM—just like you depend on Bank of America's other helpful business services.

Get to know PPM. Now's the time.

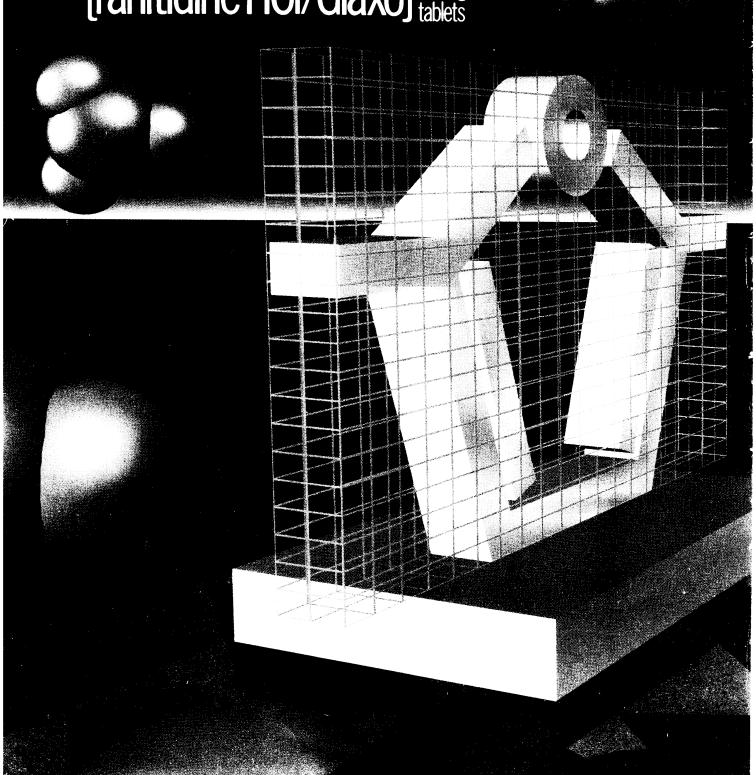
To find out more about how PPM can work for you, simply call us at 800-982-1100. But do it soon. Because the less time you spend on paperwork, the more time you can spend with your patients.

Look to the Leader.™ (800) 982-1100



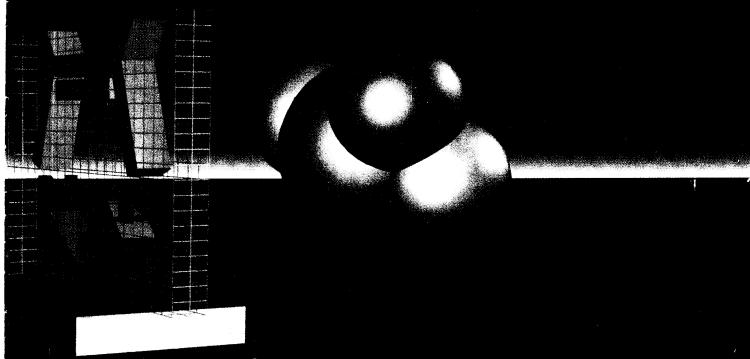
Business Services







Unsurpassed activity in gastric acid inhibition: for active duodenal ulcer and pathological hypersecretory conditions*



Zantac is a new chemical compound

- □ Not a histamine-related imidazole—a furan compound.
 - Zantac offers important patient benefits
- ☐ Single-dose action for up to 12 hours—b.i.d. administration. Four weeks of therapy for most patients with active duodenal ulcer.
- No interaction with warfarin, theophylline and diazepam.
 Effective and well tolerated even in pathological hypersecretory conditions.
- ☐ For adverse reactions see complete prescribing information.

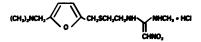
e see following page for complete prescribing information.

^{*}It is not known exactly how much inhibition of gastric acid secretion is required to heal ulcers.

Unsurpassed activity in gastric acid inhibition



DESCRIPTION: The active ingredient in ZANTAC* Tablets, ranitidine hydrochloride, is a histamine H_2 receptor antagonist. Chemically it is N[2-I[[15-I(dimethylamino) methyl]-2-furanyl]methylthio[ethyl]-N-methyl-2-nitro-1, 1-ethenediamine, hydrochloride. It has the following structure:



The empirical formula is $C_{13}H_{22}N_4O_3S \cdot HCI$, representing a molecular weight of 350.87. Ranitidine hydrochloride is a white to pale yellow granular substance which is soluble in water. It has a slightly bitter taste and sulphur-like odor. Each tablet for oral administration contains 168 mg of ranitidine hydrochloride, equivalent to 150 mg ranitidine.

CLINICAL PHARMACOLOGY: ZANTAC* (rantidine hydrochlo-ride) is a competitive, reversible inhibitor of the action of his-tamine at the histamine H₂ receptors, including receptors on

the gastric cells.

ZANTAC does not lower serum Ca++ in hypercalcemic states.
ZANTAC is not an anticholinergic agent.

Antisecretory Activity:

1. Effects on acid secretion:
ZANTAC inhibits both daytime and nocturnal basal gastric acid secretion as well as gastric acid secretion as well as gastric, as shown in the table food, histamine and pentagastrin, as shown in the table

Effect of Oral ZANTAC* on Gastric Acid Secretion

	Time After Dose, hrs.	Acid Output by Dose, m			mg
		75-80	100	150	200
Basal	Up to 4		99	95	
Nocturnal	Up to 13	95	96	92	
Betazole	Up to 3		97	99	
Pentagastrin	Up to 5	58	72	72	80
Meal	Up to 3		73	79	95

It appears that basal, nocturnal and betazole stimulated secretion are most sensitive to inhibition by ZANTAC, responding almost completely to doses of 100 mg or less, while pentagastrin and food stimulated secretion are more difficult

Effects on other gastrointestinal secretions:
 Pepsin: Oral ZANTAC 150 mg did not affect pepsin secretion. Total pepsin output was reduced in proportion to the de-

crease in volume of gastric juice. Intrinsic factor: Oral ZANTAC 150 mg had no significant ef-fect on pentagastrin-stimulated intrinsic factor secretion. Serum gastrin: ZANTAC has little or no effect on fasting or postprandial serum gastrin.

3. Other pharmacological actions:
a. Hepatic blood flow reduced 20%. Significance unknown.
b. Gastric bacterial flora—increase in nitrate-reducing organisms, significance not known.
c. Prolactin—no effect (IV bolus) or less increase than immidiate.

c. Prolactin—no effect (iv bolus) of less increase that cimetidine.
d. Other pituitary hormones—no effect on serum gonadotropins, TSH, GH. Possible impairment of vasopressin release.
e. No change in cortisol or aldosterone.
f. No effect on count, motility or morphology of sperm, androgen level, estradiol, testosterone.
g. No effect on penile erection, sexual arousal or ejaculation.

4. Pharmacokinetics:

ZANTAC is 50% absorbed after oral administration compared

ZANTAC is 50% absorbed after oral administration compared to an IV injection with mean peak levels of 440-545 ng/ml occurring at 2-3 hours after a 150 mg dose. The elimination half-life is 2.5-3 hours.

Absorption of ZANTAC is not significantly impaired by concomitant administration of food or antacids. Propantheline slightly delays and increases peak blood levels of ZANTAC, probably by delaying gastric emptying and transit time.

Serum concentrations necessary to inhibit 50% of stimulated gastric acid secretion are estimated to be 36-94 ng/ml. Following a single oral dose of 150 mg, serum concentrations of ZANTAC are in this range up to 12 hours. However, blood levels bear no consistent relationship to dose or degree of acid inhibition.

acid inhibition.

The principal route of excretion is the urine, with approximately 30% of the orally administered dose collected in the urine as unchanged drug in 24 hours. Renal clearance is

about 410 ml/min, indicating active tubular excretion. In man, the N-oxide is the principal metabolite in the urine; however this amounts to less than 4% of the dose. Other metabolites are the S-oxide (1%) and the desmethyl ranitidine (1%). The remainder of the administered dose is found in the stool.

The volume of distribution is about 1.4 L/kg. Serum protein binding averages 15%.

Clinical Trials: Duodenal Ulcer

In a multicenter, double-blind controlled U.S. study of endo-scopically diagnosed duodenal ulcers, earlier healing was seen in the ZANTAC*-treated patients as shown below:

	ZANTAC® +		Placebo +	
	Number Entered	Healed/ Evaluable	Number Entered	Healed/ Evaluable
Outpatients Week 2 Week 4 *p = 0.0014		54/147 (37%)* 109/148 (74%)**	146	29/137 (21%) 68/137 (50%)

** $\overset{**}{p} = 0.0001$ + All patients were permitted prn antacids for relief of pain.

In these studies, ZANTAC-treated patients reported a reduction in both daytime and nocturnal pain, and they also consumed less antacid than the placebo-treated patients.

	Median number of Ulcer Healed	daily doses of antacion Ulcer Not Healed
ZANTAC*	0.06	0.71
Placebo	0.71	1.43

During the clinical trials, some not healed at 4 weeks were re-randomized to either placebo or ranitidine, with the results after 4 weeks shown below.

Not healed on: Placebo	Retreated with: Placebo	Healed: 10/21
Placebo	Ranitidine	15/24
Ranitidine	Ranitidine	5/8
Ranitidine	Placebo	8/19

Ranitidine

INDICATIONS AND USAGE:

INDICATIONS AND USAGE:
2ANTAC* (cranitidine hydrochloride) is indicated in:
1. Short-term treatment of active duodenal ulcer. Most patients heal within 4 weeks and the usefulness of further treatment has not been demonstrated. Studies available to date have not assessed the safety of ranitidine in uncomplicated duodenal ulcer for periods of more than 8 weeks.
2. The treatment of pathological hypersecretory conditions (e.g., Zollinger-Ellison Syndrome and systemic mastocytosis). In active duodenal ulcer and hypersecretory states, concomitant antacids should be given as needed for relief of pain.

CONTRAINDICATIONS: There are no known contraindications to the use of ZANTAC® (ranitidine hydrochloride).

General

1. Symptomatic response to ZANTAC* therapy does not preclude the presence of gastric malignancy.

2. Since ZANTAC is excreted primarily by the kidney, dosage should be adjusted in patients with impaired renal function (see Dosage and Administration). Caution should be observed in patients with hepatic dysfunction; ZANTAC is metabolized in the liver and, at present, the effects of hepatic disease on the metabolism of ZANTAC is unknown.

Laboratory Tests False positive tests for urine protein with Multistix* may occur during ZANTAC therapy and therefore testing with sulpho-salicylic acid is recommended.

Salicylic acid is recommended.

Drug Interaction
Potentiation of warfarin-type anticoagulants has not been observed with concomitant ZANTAC administration. Likewise no clinically significant drug interactions have been observed between ZANTAC and theophylline or ZANTAC and diazepam. Drug interactions of this type are not expected since ranitidine does not significantly interact with the cytochrome P450 linked drug metabolizing enzyme exstem drug metabolizing enzyme system.

Carcinogenesis, mutagenesis and impairment of fertility
There was no indication of tumorigenic or carcinogenic effects in lifespan studies in mice and fats at doses up to 2000

rects in lifespan studies in mice and rats at doses up to 2000 mg/kg/day. Ranitidine was not mutagenic in standard bacterial tests (Salmonella, E. Coli) for mutagenicity at concentrations up to the maximum recommended for these assays. In a dominant lethal assay a single oral dose of 1000 mg/kg to male rats was without effect on the outcome of 2 matings per week for the next 9 weeks.

Week for the hext 9 weeks.

Usage in Pregnancy
Pregnancy Category B. Reproduction studies have been performed in rats and rabits at doses up to 160 times the human
dose and have revealed no evidence of impaired fertility or harm
to the fetus due to ZANTAC* (ranitidine hydrochloride). There

are, however, no adequate and well-controlled studies in preg-nant women. Because animal reproduction studies are not al-ways predictive of human response, this drug should be used during pregnancy only if clearly needed. Nursing Mothers ZANTAC (ranitidine hydrochloride) is secreted in human milk. Caution should be exercised when ZANTAC is adminis-tered to a nursing mother.

tered to a nursing mother.

Pediatric Use
Safety and effectiveness in children have not been

Use in Elderly Patients

Ulcer healing rates in elderly patients (65-82 years) were no different from those in younger age groups. The incidence rates for adverse events and laboratory abnormalities were also not different from those seen in other age groups.

ADVERSE REACTIONS

ADVERSE REACTIONS

Headache has been found to be more frequent in ZANTAC*treated patients (3%) than placebo-treated patients (2%). The
following symptoms have been reported in ZANTAC-treated patients with a frequency of 1% or less: malaise, dizziness, constipation, nausea, abdominal pain and rash.

Decreases in white blood cell and platelet count have occurred in a few patients. These did not lead to cessation of treatment and were clinically insignificant. There have been no
reported cases of agranulocytosis or aplastic anemia. Some
small increases in serum creatinine have been noted in patients
receiving ZANTAC (ranitidine hydrochloride).

Some increases (up to 5 times the upper limit of normal in
one case) in serum transaminases and gamma-glutamyl transpeptidase have been reported. Rare cases of hepatitis have
been reported.

In normal volunteers, SGPT values were increased to at least

been reported.

In normal volunteers, SGPT values were increased to at least twice the pre-treatment levels in 6 of 12 subjects receiving 100 mg q.i.d. IV for 7 days, and in 4 of 24 subjects receiving 50 mg q.i.d. IV for 5 days. This dose-related effect of the IV formulation suggests that ZANTAC is potentially hepatotoxic. In placebo controlled studies of the oral formulation involving 2437 patients (1358 receiving rantitidine and 1079 patients receiving placebo), with most patients treated 4-8 weeks, there was no difference in incidence of SGOT-SGPT elevations between the 2 groups.

2 groups.

No clinically significant interference with endocrine or gonadal function have been reported.

gonaton function have been reported.

OVERDOSAGE: There is no experience to date with deliberate overdosage. The usual measures to remove unabsorbed material from the gastrointestinal tract, clinical monitoring and supportive therapy should be employed.

Studies in animals receiving doses of ZANTAC* in excess of 225 mg/kg/d have shown muscular tremors, vomiting, and rapid respiration. Single oral doses of 1000 mg/kg in mice and rats were not lethal. Intravenous LD₅₀ values in rat and mouse were 83 mg/kg and 77 mg/kg, respectively.

DOSAGE AND ADMINISTRATION:

Duodenal Ulcer
The current recommended adult oral dosage of ZANTAC® for duodenal ulcer is 150 mg twice daily, the only dose shown to speed healing of duodenal ulcer in U.S. clinical trials. Smaller doses have been shown to be equally effective in inhibiting astric acid secretion in U.S. studies, and several foreign trials have shown that 100 mg b.i.d. is as effective as the 150 mg dose.

dose.

Antacids given concomitantly and as needed for relief of pain do not interfere with the absorption of ZANTAC.

Since 37% of patients can be expected to show complete healing at the end of two weeks, endoscopy at that time may spare many patients an additional period of treatment.

Pathological Hypersecretory Conditions (such as Zollinger-Ellison Syndrome)

Recommended adult oral dosage: 150 mg twice a day. In some patients it may be necessary to administer ZANTAC 150 mg doses more frequently. Doses should be adjusted to individual patient needs, and should continue as long as clinically indicated. Doses up to 6 g/day have been employed in patients with severe disease. with severe disease.

Dosage adjustment for patients with impaired renal function.

Dosage adjustment for patients with impaired renal function. On the basis of experience with a group of subjects with severely impaired renal function treated with ZANTAC, the recommended dose in patients with a creatinine clearance less than 50 ml/min is 150 mg every 24 hours. Should the patient's condition require, the frequency of dosing may be increased to every 12 hours or even further with caution. Hemodialysis reduces the level of circulating ranitidine. Ideally, the dosage schedule should be adjusted so that the timing of a scheduled dose coincides with the end of hemodialysis. dose coincides with the end of hemodialysis

HOW SUPPLIED

ZANTAC* Tablets (ranitidine hydrochloride equivalent to 150 mg ranitidine) are white tablets embossed with "ZANTAC 150" on one side and "Glaxo" on the other. They are available in bot tles of 30 tablets (NDC 0173-0344-40), 60 tablets (NDC 0173-0444-40), 60 tablets (NDC 0173-0444-40), 60 tablets (NDC 0173-0444-40), 60 tablets (NDC 0173-0444-40), 60 tablets (NDC 0173-0444 0344-42), and unit dose packs of 100 tablets (NDC 0173-

U344-4/).
Store at controlled room temperature in a dry place. Protect from light. Replace cap securely after each opening. Manufactured for Glaxo Inc., Research Triangle Park, NC 27709 by Glaxo Operations UK Ltd, Greenford, England.

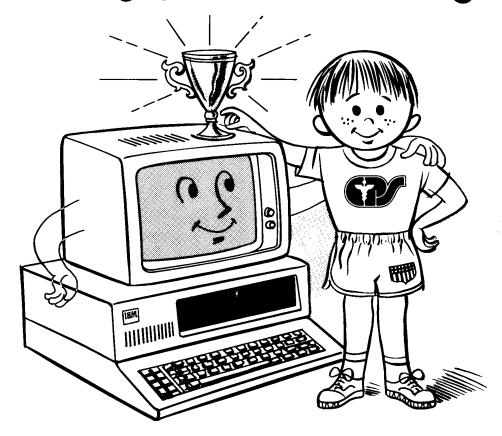
Issued Sept. 1983



Glaxo Inc., Research Triangle Park, NC 27709

CPJ & IBM®

your "Olympic" Medical Billing Team



Names you know you can trust. Bringing together the best in medical billing and hardware, CPS now offers its **Son-Of-A-Batch™** System on the IBM-PC. Combining the best aspects of the microcomputer and the CPS System, you now have the "Best of Both Worlds"....

While you complete your Word Processing, Accounts Payable and Payroll in-house, CPS will do the time consuming "crunch work" including, but not limited to:

- Printing all Insurance Forms, including MediCal
- Electronic Billing for MediCare, etc.
- Prepare and Mail all Private Patient Statements
- A/R Reports, with 30-60-90-120 Day Aging
- Past Due Collection System
- Complete Recall System
- Month-End Financial Reports by Doctor and/or Group

and, the ENTIRE Billing System is only 55¢/month for each active account.

THE PRICE IS RIGHT, THE TIME IS NOW!

Join the "Olympic" Medical Billing Team in the race for Practice Profitability

Call or Write Today



MEDICAL BILLING SYSTEMS

Bay Area

115 Sansome St., #812 San Francisco, CA 94104 (415) 986-8300

Los Angeles 16000 Ventura Blvd., #1205 Encino, CA 91436 (818) 906-0966 **San Diego** 2522 Clairemont Dr., #204 San Diego, CA 92117 (619) 462-9384

Send information on the CPS "Olympic" Billing System			
NAME:			
ADDRESS:			
CITY:	STATE:	ZIP:	
TELEPHONE:)		
CONTACT:			
IBM ² is a Registered Trademark of International Business Machines Corporation.			



ZYLOPRIN (allopurinol) and a whole lot more!



Full support for you, the physician:

- Continuing medical education materials
- Physician consultation readily available for your On-going clinical studies questions concerning Zyloprim
 - A choice of 100 mg and 300 mg scored tablets

Full support for your patients:

- Patient starter/conversion kits for easy titration
- Patient education pamphlets to encourage
- Burroughs Wellcome Co. quality and economy



Burroughs Wellcome Co. Purroughs Wellcome Of Research Triangle Park North Carolina 27709

VIVIGEN CYTOGENETICS REFERENCE LABORATORY

Providing Highest Quality Technology and Personalized Service to Physicians Treating Patients in Need of:

- **▲ PRENATAL DIAGNOSIS**
- **MEDICAL GENETICS**
- **A CANCER CYTOGENETICS**

TURN-AROUND TIME:

▲ Amniotic fluid cells:

1-2½ weeks routine

▲ Blood:

2-4 days STAT

7-10 days routine

▲ Bone Marrow:

1 day STAT 7 days routine

▲ Tissue biopsies:

2-6 weeks

In all cases, a telephone report, a subsequent written report and full-size karyotype are provided to the physician.

PHYSICIAN CONSULTATION AND INTERPRETIVE ASSISTANCE By Board Certified Medical Geneticist

For further information on Vivigen Laboratories please call: 1-800-521-3249

or write: Vivigen, Inc. 550 St. Michaels Dr. Santa Fe, New Mexico 87501

— 20 hours of ACEP/AMA Category I Credit —

MANUEL MA

A CRITICAL APPRAISAL

- ••• the most intellectual and intellectually stimulating course I've attended
- ••• the best ER course I have been to.
- ••• a fantastic course.
- excellent course, very clinically applicable.
- ••• the best course of its kind I've ever attended.
- ••• best course I've attended in the last three years.
 - Course #13

Walt Disney World/ EPCOT Center, FL

June 13-16, 1984

- vast work that went into the course apparent.
- ••• one of the most stimulating and valuable courses I have been to.
- ••• one of the best Emergency
 Medicine meetings I have been to.
- ••• great intense course. Well worth the time and money . . .
- ••• best course I have attended in ten years!!
 - Course #14

Cancun Mexico

June 25-29, 1984

- ••• one of the best courses given over the last three years.
- ••• best conference I've been to.
- ••• terrific idea. Well done. Much needed
- ••• the course was excellent.
- overall, the best small conference I've been to
- ••• possibly the best course I have attended in Emergency Medicine.

Course #15

San Francisco California

July 10-13, 1984

Cosponsored by EMERGENCY MEDICAL ABSTRACTS and the California and Florida Chapters of the AMERICAN COLLEGE OF EMERGENCY PHYSICIANS

For a detailed brochure write to **SEMINARS INTERNATIONAL**Dept. A • 15910 Ventura Blvd. • Suite 731 • Encino, CA 91436 or call *toll free* 1-800-421-5719 (in California, 818-990-9980)



Age is no barrier to the benefits of Motrin 600 mg tablets

The pain-relieving power of *Motrin* 600 mg tablets is welcome at any age. The advantages of *Motrin* become more important as patients grow older.

Advanced age has little or no influence

on the pharmacokinetics of Motrin.

Motrin is as effective as indomethacin in relieving arthritis pain and inflammation. *Motrin* causes significantly fewer CNS effects and about half as many GI complaints as indomethacin.

Motrin relieves pain as effectively as a combination of aspirin 650 mg plus codeine 60 mg, as documented in analgesia studies.

Motrin has no significant effect on clotting factors in patients on coumarin-type anticoagulants in controlled studies. *Motrin* should be used with caution in persons with intrinsic coagulation defects and in those on anticoagulant therapy.

Motrin is rapidly metabolized and does not accumulate.

Motrin provides better control of therapy, rapid response to dosage adjustment, and permits tailoring dosage to each patient's needs.



Arthritis

after 50

New: The Motrin Patient Brochure

An easy-to-read booklet, provided to physicians, that helps patients understand their arthritis therapy... encourages their cooperation.

Helping you to help your patients— Ask your Upjohn Representative for a complimentary supply.

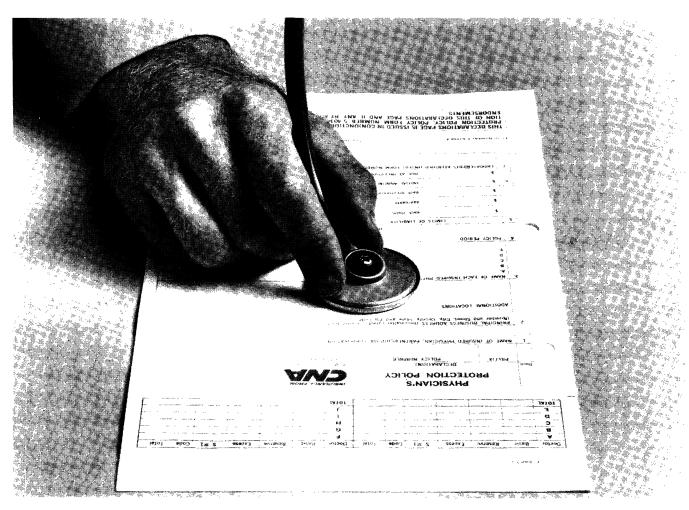
The confidence that comes from experience...good reason to prescribe



One tablet t.i.d.

Please turn page for a brief summary of prescribing information.





If you could examine professional liability insurance the way you examine your patients...

the choice would be clear.

You wouldn't settle for anything less than the best possible care to protect the health of your patients. With today's legal climate, why settle for anything less than the best professional liability protection for your practice? The clear choice for medical professional liability protection is the Physicians Protection Program from the CNA Insurance Companies.

CNA is a major insurer of physicians for medical professional liability and has the distinction of writing some of the longest continuously sponsored medical programs in the nation. With nearly \$200 million of professional liability insurance in force, CNA ranks as the nation's fourth largest professional liability insurer. This experience assures you of high quality, comprehensive protection that includes:

- Financial stability from an "A" rated carrier
- Long-term market commitment
- Competitive rates for individual physicians as well as group practices
- High limits of liability—up to \$5 million available to qualifying physicians
- Vigorous resistance of unfounded malprac-

tice claims—no claim is ever settled without your consent

- 50% premium reduction for new physicians
- Legal defense in addition to limits of liability
- Plus, optional coverages appropriate to your professional and business needs

Find out how the CNA Physicians Protection Program can be the clear choice for you. For all the details, check the Yellow Pages for an independent agent who represents CNA, or contact:

Sarah Dore

CNA Insurance Companies P.O. Box 17369, Denver, Colo. 80217 (303) 759-1500

The Physicians Protection Program is underwritten by Continental Casualty Company or CNA Casualty of California, two of the CNA Insurance Companies.

The Physicians Protection Program is available to individual physicians in Washington and Idaho and through association sponsored programs in California.







WEDNESDAY, MAY 2

2:00 pm House of Delegates, First Session

Guest Speaker: Harrison L. Rogers, Jr, MD

Speaker, AMA House of Delegates

3:00 pm Reference Committees

6:30 pm President's Reception and Banquet

THURSDAY, MAY 3

UPDATE ON ALCOHOLISM 1984

8:30 am-12 noon

Introduction and Overview

John D. Abrums, MD, President, American Society of Internal Medicine

Roots of Alcoholism and Alcohol Addiction

Maxwell N. Weisman, MD, Past President, American Medical Society on Alcoholism

Is Alcoholism a Problem in New Mexico?

Lane Leckman, MD, Director, Alcohol Treatment Program, Department of Psychiatry, University of New Mexico School of Medicine

CURRENT CONTROVERSIES—PANEL DISCUSSION

Controlled Drinking versus Total Abstinence

William Miller, PhD, Department of Psychology, University of New Mexico

Heredity and Biochemistry

Gaynor C. Wild, PhD, Department of Biochemistry, University of New Mexico

Fetal Alcohol Syndrome

Carol Clericuzio, MD, Department of Pediatrics, University of New Mexico School of Medicine

RECOGNITION AND TREATMENT

2:00 pm-5:00 pm

"Operation Cork"—A film presentation

Recognition in Patients—M. N. Weisman, MD

MEDICAL SOCIETY

ANDAL 1 EETING MAY 2-4, 1984 SANTA FE HILTON INN

Recognition in Colleagues

Morris McEwen, MD, Chairman, Physicians Aid Committee, New Mexico Medical Society

Consequences of Nonrecognition

Jeremiah Turcotte, MD, Chairman, Department of Surgery, University of Michigan Medical School

6:30 pm Specialty Society Dinners

FRIDAY, MAY 4

HEALTH IN THE WORKPLACE

9:00 am-12 noon

Occupational Health Hazards in New Mexico

William Wiese, MD, Chief, Department of Community Medicine, University of New Mexico School of Medicine

Video Display Terminals

Jacqueline Messite, MD, Regional Program Consultant, Region II, National Institute of Occupational Safety and Health

Stress in the Workplace

Dick Papanfus, PhD, Department of Health Physical Education and Recreation, University of New Mexico

Occupational Hazards of Health Professionals

Jacqueline Messite, MD

Recognition of Problems

Jonathan M. Samet, MD, Department of Medicine, University of New Mexico School of Medicine

The Real World—Panel Discussion

Responsibility—Workers' Compensation—Occupational Safety and Health

12:30 pm NEMPAC Luncheon—Sheraton Inn

2:00 pm House of Delegates, Second Session

For Further Information or Registration Material

CONTACT: NEW MEXICO MEDICAL SOCIETY, 303 San Mateo, NE, Suite 204 Albuquerque, New Mexico 87108 • (505) 266-7868 Shouldn't Your Carrier Shed More Light On Its



Financial Situation?



M any professional liability carriers try to keep their insureds in the dark concerning their financial situation. Not Insurance Corporation of America. ICA's financial stability reflects our long-term commitment to the medical community.

Through sound management, conservative investments, and consistent reinsurance, ICA has grown to become one of the leading writers of professional liability insurance in the nation.

For further information about ICA's enlightened approach to

professional liability insurance, please call 1-800-231-2615; in Texas call 1-800-392-9702. Check for availability in your state.



The Preferred Underwriter

THE NEVADA STATE MEDICAL ASSOCIATION

presents its

84 Scientific Sessio

FRIDAY, MAY 4, 1984

CME Credits:

AMA Category I, AAFP Credits, CE Units for Nurses

Registration:

8:00 am - 9:00 am (continental breakfast)

Program Chairman: Stephen A. Kollins, M.D.

9:00 am

Introductions

9:15 am

"Percutaneous Nephrolithotomy: New Approaches to Renal Stone Disease"

Robert Kahn, M.D., Assistant Professor of Urology at the University of California Medical Center,

San Francisco, California

10:00 am

"Light Transmission Mammography and Evaluation of the Breast"

Ernest Carlsen, Ph.D., M.D., Department of Radiology at Jerry Pettis Memorial Hospital in

Loma Linda, California

10:45 am

Refreshment Break

11:00 am

"Low Level Radioactive Waste Disposal: Prospectives for Nevada Physicians" Schuyler Hilts, M.D., President-Elect of the American College of Nuclear Physicians

11:45 am

Panel — Questions & Answers

12:15 pm

Luncheon and Presentation: "Post Tefra Planning Techniques for Turning Income Tax Dollars into Family Wealth"

Mr. Gary Sheets, Financial Advisor for Coordinated Financial Services, Inc.

1:45 pm

"Magnetic Resonance Imaging: New Horizons in Diagnosis"

William Bradley, M.D., Ph.D., Director of the NMR Imaging Laboratory at the

Huntington Medical Research Institute in Pasadena, California

2:45 pm

"Osteoporosis: The Hidden Threat for Women"

lan V. Jones, M.D., Head of the Division of Obstetrics and Gynecology at the Scripps Clinic

and Research Foundation, La Jolla, California

3:30 pm

Panel – Questions & Answers

4:00 pm

Adjournment

Hotel Headquarters: Desert Inn Country Club and Spa

REGISTRATION

Name <u></u>	 	·	· · · · · · · · · · · · · · · · · · ·
Address	 		
City/State/Zip	 	*****	
Phone			

SCIENTIFIC SESSION FEES Circle one (includes luncheon):

\$ 80 **NSMA** Members \$110 Nonmember physicians \$ 50

Nurses Retired, Interns, Students

\$ 25

Return this form along with appropriate fees to the NEVADA STATE MEDICAL ASSOCIATION, 3660 Baker Lane, Reno, NV 89509. Or register by phone, (702) 825-6788, Kathy Boyce, Convention Manager. Housing information will be forwarded upon receipt of registration form.

Before prescribing, see complete prescribing information in SK&F CO, literature or PDR. The following is a brief summary.

This drug is not indicated for initial therapy of edema or hypertension. Edema or hypertension requires therapy litrated to the individual. If this combination represents the dosage so determined its use may be more convenient in patient management. Treatment of hypertension and edema is not static, but must be reevaluated as conditions in each natient warrant.

Contraindications: Concomitant use with other potassium-sparing agents such as spironolactone or amilionale. Further use in ahuna, progressive renafor hepatic dystunction, hyperkatemia Pre existing elevated serum potassium. Hypersansitivity to either component or other sulfonamide derived drugs.

spanning agents such as spironolaetone or amuloride. Further use in anuria, progressive renal or hepatic distunction, hyperkalemia. Pre existing elevated serum potassium, hypersansitivity to either component or other sulfornanide cerrived drugs.

Warnings: Do not use potassium supplements, dietary or otherwise, unless hypokalemia develops or dietary intake of potassium is markedly impaired. If supplementary, potassium is needed, potassium tablets should not be used. Hyperkalemia can occur and has been associated with cardiac irregularities if is more likely in the severely ili. with unine volume less than one iteratory, the elderly and diabetics with suspected or confirmed renal insufficiency. Periodically, seriam K. Tevels should be determined. If hyperkalemia develops, substitute a thiazide alone restrict K. Intake. Associated wildened QRS complex or arrhythmia requires prompt additional therapy. Thiazides cross the placental barrier and appear in ord blood. Use in pregnancy requires weighing antiopated benefits against possible hazards including retail or neonatal, sundice, thrombiocytopraia, other adverse reactions seen in adults. Thiazides appear and triamterene mix appear in breast risk. If their uses is essential, the patient should alop nursing. Adequate information on use in children is not availated. Sensitivit sealchois may occur in patients with or without a history of allergy or brenchial asthma. Possible because the provided with thiazide diarteliss.

Precautions: Do periodic serum electrolyte determinations, particularly important in patients with amplaned to exist the provided with thiazide diartelis.

Precautions: Do periodic serum electrolyte determinations (particularly important in patients with suspected or continents chain and the elderly diabetics or choose his content of the patients with impaired to a precipitar or patients with patients required to a precipitar of the patients of the diabetics of these thiazides should be used with causin in patients with impaired renal function. Thiaz

Thiazides may add to or potentiate the action of other antihyper

Diuretios reduce renal clearance of lithium and increase the risk of

lithrant toxicity.

Adverse Reactions: Muscle cramps, weakness, dizzness, head ache, dry mouth, anaphylaus, rash, urficana, photosenstivity, purpura, other dermatological conditions, nausea, and vombing drainhea, constigation, other gastrointestinal disturbances postural trayolension; (may be aggravated by alconot, barbitishes), and reacotics? Necrotizing vasculitis, paresthesias, letrus participabilitis, xanthjorsia, and respiratory distress including produndints, and vertigo have occurred with thiazides alone. Triamferene has been found in renal stones in association with other osual calcinitis components. Bare moderats of action at the stitul nephritish averboer reported Impotence has been reported in a tew patients of actions.

Supplied: Dyazide is supplied as a maroon and white capsule, in bottles of 1000 capsules; Single Unit Packages (unit-dose) of 100 (intended for institutional use only); in Patient-Pak "unit-of-use bottles of 100.

The unique red and white Dyazide® capsule. Your assurance of SK&F quality:

©SK&F Co., 1983



The Diuretic witha fferer

TRIAMTERENE MOLECULE

Triamterene sets 'Dyazide' apart from other diuretic products. This unique compound limits potassium loss usually associated with diuretic therapy, minimizing the potential for hypokalemic sequelae.

Potassium-Sparing



Each capsule contains 50 mg. of Dyrenium® (brand of triamterene) and 25 mg. of hydrochlorothiazide.

In Hypertension*...When You Need to Conserve K⁺

a product of Carolina, P.R. 00630

Serum K⁺ and BUN should be checked periodically (see Warnings and Precautions).



PROFESSIONAL LIABILITY INSURANCE,*

too. If you haven't "compared" lately, check P&S. It's a "doctor company" administered by skilled insurance specialists which offers low, competitive rates tailored-to-need and a wide



market including coverage for new and part-time M.D.'s and D.P.M.'s residents and interns, health centers, laboratories, clinics and free-standing emergency centers.

For details, contact your local insurance agent and broker, or

Physicians & Surgeons Insurance Exchange of California

P.O. Box 7076 • Pasadena, CA 91109 • (213) 795-0432 *Available in California only.

MARCH 1984 • 140 • 3 485

Classified Advertisements

The rate for each insertion is \$5 per line (average six words per line) with five line (\$25) minimum. Box number charge: \$5 each month.

Classified display rates \$50 per inch.

Copy for classified advertisements should be received not later than the first of the month preceding issue. All copy must be typed or printed. • Classified advertisers using Box Numbers forbid the disclosure of their identity. Your inquiries in writing will be forwarded to Box Number advertisers. The right is reserved to reject or modify all classified advertising copy in conformity with the decisions of the Advertising Committee.

Please Type or Print Advertising Copy

Classified Advertisements Are Payable in Advance

THE WESTERN JOURNAL OF MEDICINE 44 GOUGH STREET, SAN FRANCISCO, CA 94103



PEDIATRICIAN: LOGAN, UTAH. To share busy practice. Nearly new office and 120 bed hospital; near State University, outdoor recreation unlimited. 550 East 1400 North, Suite Q, Logan, UT 84319; (801) 753-5150.

GENERAL INTERNIST, Board certified/eligible: Multi-specialty group, university town central Washington, has space and services available on a lease or compensation basis with future partnership anticipated. Contact A. J. Grose, MD, Medical Building Associates, P.O. Box 369, Ellensburg, WA 98926.

DIRECTOR OF SURGICAL SERVICES—233-bed teaching hospital with residencies in OB/GYN, Surgery, Medicine, and Family Practice is seeking a Director of Surgical Services. Position available July 1, 1984. Responsible for administration and supervision of patient care and surgical training program. Candidates should be Board certified in General Surgery and have significant experience in administrative and teaching responsibility. Experience in a training program is preferred. Salary negotiable depending on background and experience. Hospital is located in beautiful San Joaquin County, close to major cities and skiing. For additional information, please submit CV and references or contact J. D. Kortzeborn, MD, Medical Director, San Joaquin General Hospital, P.O. Box 1020, Stockton, CA 95201; (209) 982-1800, Ext. 3052. Affirmative Action/Equal Opportunity Employer.

UNIVERSITY TRAINED GENERAL SURGEON needed to join three other general surgeons in 14 physician clinic. Excellent qualifications required. Location: southern Idaho, near excellent outdoor recreation. Send résumé to Box 1233, Twin Falls, ID 83301.

GENERAL SURGEON—NORTHERN IDAHO. Medical Staff of Community Hospital, Bonners Ferry, Idaho, is recruiting a general surgeon. Contact Administrator's Office, Community Hospital, Box 1449, Bonners Ferry, ID 83805. (208) 267-2141.

FAMILY PRACTICE—NORTH IDAHO: ABFP or eligible to join low-key, but busy practice, excellent and beautiful family area. Lab, x-ray on premises, 24 hour ER coverage. Terms negotiable. Call (208) 773-1577 or respond with CV to 2209 Canyon Dr., Coeur d'Alene, ID 83814.

MINOR EMERGENCY CLINIC: Full-time physician opening for the Sacramento area. One year contract minimum. Malpractice coverage provided. Dr Kendall Bauer, 815 Mast Ct, Folsom, CA 95630; (916) 933-1449 evenings.



EMERGENCY PHYSICIAN—For community hospital in Southern California. Competitive salary, malpractice paid. Eight 24 hour shifts/month. Minimum 3 years emergency medicine experience, Board certification, or Board eligible by residency. Send CV to: Dr Charles Magee, Ontario Emergency Group, 550 North Monterey Ave, Ontario, CA 91764 or call: (714) 980-2226.

PEDIATRICIAN BC/BE to join three young progressive pediatricians in growing area of Salt Lake City. Superb access to outdoor activities. New hospital facilities adjacent. Contact Chuck Norlin, MD, 3449 South 4155 West, West Valley City. UT 84120.

SOUTHERN CALIFORNIA HMO seeking experienced specialists and General Practitioners for health care centers in Los Angeles and Orange Counties. CIGNA Healthplans of California, formerly INA and Ross Loos Healthplans, offers competitive salaries and excellent benefits. Opportunity to join an established, growing and progressive company. CV to: Director/Physician Recruitment, CIGNA Healthplans of California, 700 N Brand Blvd, Suite 500, Glendale, CA 91203



SOUTHERN CALIFORNIA: HMO seeking experienced specialists and general practitioners for health care centers in Los Angeles and Orange Counties. INA and Ross Loos Healthplans is part of CIGNA Healthplans, Inc., the largest investor-owned operator of prepaid healthplans in the nation. Competitive salaries, excellent benefits. Opportunity to join an established, growing and progressive company. CV to: Professional Placement, INA and Ross Loos Healthplans, 700 N. Brand Blvd, Suite 500, Glendale, CA 91203.

FAMILY MEDICINE FACULTY POSITIONS. Due to expansion, the Department of Family Practice at the San Bernardino County Medical Center is recruiting for immediate vacancies, as well as vacancies for July 1984. This academic department of 17 faculty members is seeking Board certified Family Physicians with prior teaching experience in Family Medicine. Demonstrated research activities are desired. Send inquiries and curriculum vitae to: Merrill N. Werblun, MD, Chairman, Department of Family Practice, P.O. Box 3571, San Bernardino, CA 92413.

SAN FRANCISCO BAY AREA—50 MD multispecialty private group practice established 25years ago, seeking a well-qualified OBSTETRI-CIAN GYNECOLOGIST to join our busy 4-physician department in their general OB/GYN work. Excellent location in the Santa Clara Valley, 45 minutes from San Francisco, 10 minutes from Stanford University. Send CV to: Recruitment Committee, P.O. Box 3496, Sunnyvale, CA 94088-3496.

FAMILY PHYSICIAN WANTED—Board certified or eligible to join a progressive, primary care based multi-specialty group in Northwest Washington. Close to excellent outdoor recreational opportunities as well as CME. Contact: Shane Spray, Administrator, 1400 E. Kincaid, Mt. Vernon, WA 98273; (206) 428-2524.

POSITION AVAILABLE IN GENERAL INTERNAL MEDICINE. Community offers ideal family living in town of 12,000 people. Liberal fringe benefits—life insurance, health insurance, 30 days vacation plus 15 days sick leave each year. Complete malpractice insurance coverage provided. An unexcelled opportunity to engage in a challenging medical practice in a rural setting offering unlimited recreational opportunities—hunting, fishing, skiing, plus fresh, clean air in abundance. Contact: Norman C. Jorgenson, MD, Chief of Staff, VA Medical Center, Miles City, MT 59301. Telephone: (406) 232-3060, ext. 201. An equal opportunity employer.

(Continued on Page 488)



SPECTRUM EMERGENCY CARE, Inc.

Career emergency medicine positions are available with the nation's largest group in the following states:

California Colorado Idaho Kansas Montana Nebraska Nevada N. Dakota

S. Dakota Utah Washington Wyoming

Spectrum provides career emergency physicians with a competitive income; professional liability insurance; and reimbursement of CME tuition, ACEP dues, ACLS and ATLS training. For complete details on positions available in the states listed above contact:

Jan Bird Spectrum Emergency Care, Inc. 6275 Lehman Drive Suite C 202 Colorado Springs, CO 80918

1-800-525-3681 / 303-590-1755 / 1-800-421-6655

Put the BALANCE SHEET in your favor with PC Staff Leasing!

STATEMENT OF ASSETS AND LIABILITIES -

For the Professional:

ASSETS:

LIABILITIES:

- 1. Shelter larger tax-free Retirement Plans
- 2. Confidential investment of Retirement Plan Dollars
- 3. Continue or initiate Medical Reimbursement
- 4. Control (even reduce) employee related costs
- 5. Staff will receive "Large Corporation" benefits from PSC
- 6. Eliminate all administrative burdens (payroll and tax depositories, W-2's, DE3 and 940's, etc.)

control and direct your income while maintaining flexiblity in your Retirement Plans...

you can:

provide excellent benefits to your staff and control costs...

404 can:

direct your staff, while eliminating "employer hassles"...

With over 10 YEARS of Staff Leasing PSC will put the Balance Sheet in YOUR favor....

Call or Write Today



Practice Service Corporation

Bay Area

115 Sansome St. #812 San Francisco, CA 94104 (415) 433-4210

Los Angeles

16000 Ventura Blvd., #1205 Encino, CA 91436 (213) 872-2508

San Diego

2522 Clairemont Dr., #204 San Diego, CA 92117 (619) 462-9384

Please send information on PSC Staff Leasing

NAME:.

ADDRESS: _

__ ZIP:_ CITY: _____ STATE:___

TELEPHONE (_____

CONTACT:__

OBSTETRICIAN & GYNECOLOGIST—needed for expanding HMO in Southern California, Multispecialty group with facilities in Los Angeles and Orange Counties. CV to: Director/Physician Recruitment, CIGNA Healthplans of California, 700 N Brand Blvd, Suite 500, Glendale, CA

FAMILY PRACTITIONERS CALIFORNIA-Family Practitioners-Board certified or eligible Family Practitioners for traditional primary care center. Experience in family practice and occupational medicine in group practice or clinic setting preferred. Understanding of prepaid medicine helpful. One position available in attractive northern LA County desert community of Lancaster, and one in metropolitan LA financial district. Outstanding salary, full benefits, and profit sharing. Regular hours. Qualified applicants please submit CVs to: A. Scarsella, MD, Medical Director, Convenience Care Centers, P.O. Box 5780, Los Angeles, CA 90055.

WASHINGTON, TACOMA: EMERGENCY MEDI-CINE position is available May 1984 in a 150 bed, moderate volume hospital emergency department. Guaranteed income with incentive compensation plan and paid malpractice in-surance. Contact: EMS, 4010 Dupont Circle, Suite 700, Louisville, KY 40207, 1 (800) 626-2040.

MEDICAL DIRECTOR-ADULT CARE UNIT, San Francisco. Immediate opening. Marshal Hale Memorial Hospital is seeking an enthusiastic licensed physician with experience or specialty training in alcohol and drug rehabilitation to become Medical Director of the Adult Alcohol-Chemical Dependency Rehabilitation Care Unit located at the hospital. Address inquiries to Dr Alan Rosenstein (415) 386-7000.

ASSOCIATE WANTED-Recent FP or IM graduate for adult primary care practice with heavy emphasis on geriatric medicine. Special training and/or interest in geriatrics a requirement. CV to reply: Search Committee, P.O. Box 11414, Tacoma, WA 98411-0414.

POSITION OPEN: Medical Ophthalmologist wanted in large midwest practice that is affiliated with university training program. Excellent medical skills required. Knowledge of Argon Laser preferable. Opportunity to assist in surgery and learn Yag Laser available. Salary \$75,-000 plus generous benefits and rapid advancement depending on qualifications. Send résumé to: Box 6379, Western Journal of Medicine, 44 Gough St., San Francisco, CA 94103.

FAMILY PRACTICE, IDAHO—Multispecialty group needs Family Physician for satellite clinic in 4 season resort area. Combination salary and incentive plan. Send CV to Alan Stevenson, Moritz Community Hospital, Box 86, Sun Valley, ID 83353.

CALIFORNIA-URGENT CARE. Positions available for Spring 1984 in free-standing, urgent care settings in several locations. Board certication or eligibility in Emergency Medicine, Family Practice or related specialty required. Opportunities exist for directorships for physicians with appropriate experience. Guaranteed minimum, malpractice paid, benefit package available. Contact: California Emergency Physicians, 440 Grand Avenue, Suite 500, Oakland, CA 94610, (415) 832-6400.

PRIMARY CARE PHYSICIAN—(General Practitioner or General Internist) for employment by the State of California at San Quentin Prison Hospital. Civil service status. Forty hours per week. Beginning salary \$42,792-\$61,464 depending on qualifications and experience. For further information contact: Jack J. Williams, MD, at (415) 454-1460.

ED PHYSICIAN, TACOMA, WASHINGTON: Experienced (3 vr. plus) or Boarded ED Physicians needed for locum tenens positions (2) to begin May 1 to June 1, 1984, and to continue for 4-6 months. Established group with two hospitals. Possibility of continuation if mutually agreeable. Reply with CV to: Mike Doman, MD, 1700 36th Ave., Seattle, WA 98122; (206) 323-4914 (home) or (206) 597-7600 (work).

PHYSICIANS WANTED

FP, INTERNIST, GP/SURGEON-immediate practice opportunity in new 46-bed medical center, situated in town of 2,000, serving population area of 10,000. Private practice space available in adjacent clinic currently housing two physicians. Beautiful Rocky Mountain scenic area offers year-round recreation. Contact Brian Larson, Teton Medical Center, Choteau, MT 59422; (406) 466-5763, collect.

EMERGENCY PHYSICIAN-Perm. hospital position available July 1984. Board prepared in FP or EM or 2 or more years EM experience. Other training may be substituted if appropriate. Competitive remuneration, malpractice paid. Located in Central California's San Joaquin Valley. Superior lifestyle, excellent family environment. 112 bed acute care hospital, base station approved. Excellent ancillary services. Send CV to AC Jaramillo, MD, EM, Medical Director— Tulare District Hospital, 869 Cherry St, Tulare, CA 93274.

FAMILY PRACTICE. Physician needed in western Oregon—solo or association. Population 40,000; 106 bed acute care hospital with new ancillary building and new whole body CAT Scanner. Office space available now. J. C. Keever, MD, Medical Director, McKenzie-Willamette Hospital, 1460 G Street, Springfield, OR 97477; (503) 726-4580.

OREGON-FAMILY PRACTICE PHYSICIAN with interest in OB sought for multispecialty group. Beautiful rural community, 38 miles from Portland. Send CV to Adm, 420 E. 5th St, McMinnville, OR 97128 and phone to FP staff member (503) 472-6161.

THE DEPARTMENT OF MEDICINE, UNIVERSITY OF CALIFORNIA, SAN FRANCISCO is seeking medical oncologist at the Clinical Assistant Professor level to assist in patient care, teaching and research activities at San Francisco General Hospital. Must be Board Certified in Internal Medicine, Board Certified/Eligible in Oncology. Should have demonstrated experience in basic research especially in areas relevant to clinical trials and epidemiology of AIDS/ Kaposi's Sarcoma. Send letter of application with curriculum vitae and bibiliography to: Paul Volberding, MD, San Francisco General Hospital, 1001 Portero Ave., Room 5H22, San Francisco, CA 94110. The University of California is an Affirmative Action, Equal Opportunity Employer.

WANTED FAMILY PRACTITIONER(S). Gateway to the Oregon Caves. 15,000 plus residents in lovely valley. Excellent referral system. 29 miles from hospitals. Enjoy the excitement of a rural family practice and time to spend outdoors. Board of Directors anxious to expand to meet community needs. Now available, one-half fully equipped modern clinic. Room for one or two physicians with excellent expansion potential. Expansion could be emergency type care or convalescent home. Call AC (503) 592-3916 or 592-2224 evenings or weekends.

OB/GYN PHYSICIAN needed to join two other OB/GYN Physicians in a 39-man multi-specialty group located in San Luis Obispo, California. Board certified or eligible; California license. Excellent practice opportunity; benefits and retirement program; all practice costs paid; early shareholder status. Reply: Mr D. R. Molesworth, Administrator, San Luis Medical Clinic, Ltd. 1235 Osos St, San Luis Obispo, CA 93401.

FAMILY PHYSICIAN OR INTERNIST-To work in primary care practice in Chino. Calif. Competitive compensation with opportunity for ownership. Send CV to: Dr Charles Magee, 9681 Hidden Farm Road, Alta Loma, CA 91701, or call: (714) 980-2226.

GASTROENTEROLOGIST, Board Int. Med. and Board eligible GI, to join 36 member multispecialty group located on the central coast of California. Premium location, excellent practice opportunity with fully paid benefit and retirement program; guaranteed salary first six months followed by incentive pay program; all practice costs paid. Replies to: Box 6411, Western Journal of Medicine, 44 Gough St., San Francisco, CA 94103.

PHYSICIANS WANTED

GENERAL INTERNAL MEDICINE SPECIALIST position open with 37-member multi-specialty group. Excellent practice opportunity; full range of benefits; early shareholder status; all practice costs paid. Prefer recent residency trained physicians. For more information contact: Daniel Small, MD, Medical Director, or David Graham, Asst Administrator, San Luis Medical Clinic, Ltd., 1235 Osos St, San Luis Obispo, CA 93401.

LOCUM TENENS

LOCUM TENENS needed to cover Family Practice from May 21, 1984 through June 15, 1984. Must have California license. Contact Mr R. Reesh, Administrator, Granger Medical Group, Inc., 140 E. Granger Ave, Modesto, CA 95350; (209) 529-0531.

LOCUM TENENS SERVICE WESTERN PHYSICIANS REGISTRY

. . . offers coverage for vacation or continu-ing education. To arrange coverage for your practice or to participate as temporary physi-cian, contact: Carol Sweig, Director, 1124 Ballena, Alameda, CA 94501; (415) 521-4110.



PERMANENT PHYSICIAN PLACEMENT SER-VICE. Western Physicians Registry. Physicians available for primary care and specialty placement. Varied opportunities for physicians. Contact Cynthia Selfridge, Director, (415) 521-4110, 1124 Ballena, Alameda, CA 94501.

ALLERGIST. Board certified and recertified Allergist and Board certified Pediatrician desires part-time practice allergy-immunology-adult and pediatrics or locum tenens. Prefers Los Angeles and desert area. Reply Box 6420, Western Journal of Medicine, 44 Gough St, San Francisco, CA 94103.

RADIOLOGIST seeks position as Chief of Radiology. University trained, including Angio-Special Procedures Fellowship. Administrative experience of 5 years as Assistant Director of Radiology at University. 7 years of private practice experience. Angio/DSA, plain films, US, CT and NM. Call (714) 759-8969.



AB CLINIC AND GYN PRACTICE. Gross \$450,-000+. Established, expandable, financing arranged. (206) 527-4608. assumable

(Continued on Page 500)

Professional Training In

HUMAN SEXUALITY

In Your Home or Office

The Institute for Advanced Study of **Human Sexuality offers:**

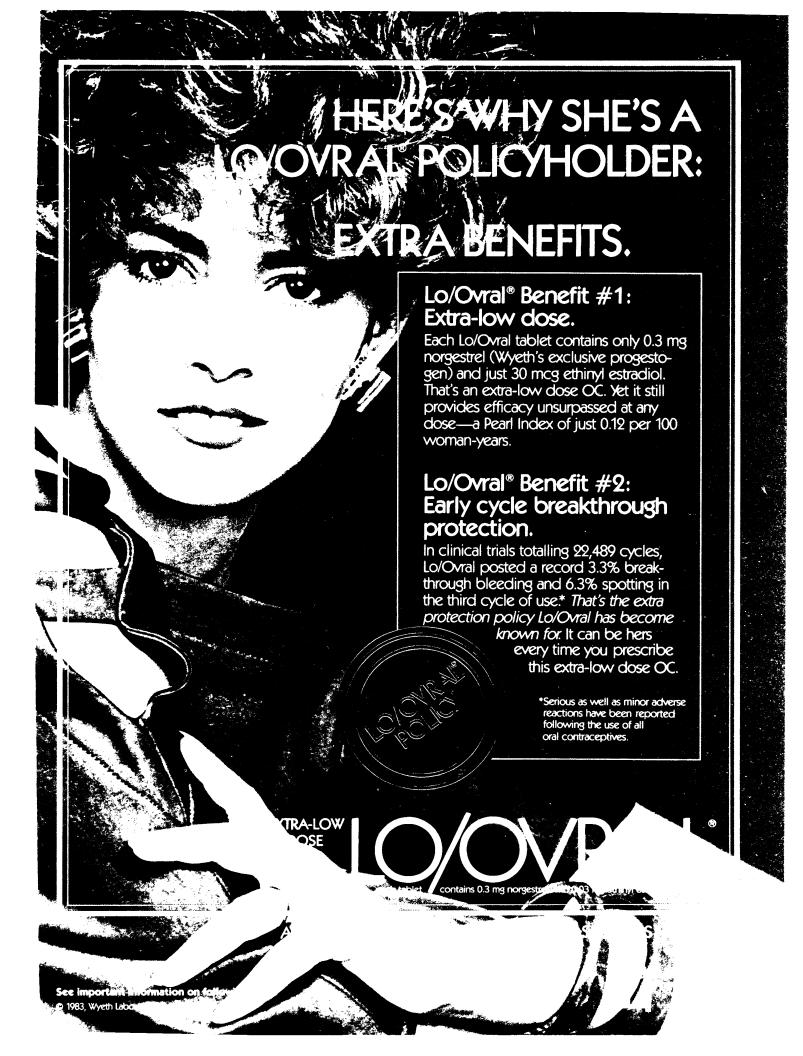
- Graduate credit courses by leading experts
- Lectures on Video and Audio Tapes
- Study Guides
- Continuing Education Credit
- Certificates and Degrees in Sexology, Sex Education and Sex Therapy

For information about courses, certificates and degrees, write or call

Institute for Advanced Study of Human Sexuality

Room 845 1523 Franklin Street San Francisco, CA 94109 (415) 928-1133

An Equal Opportunity/Affirmative Action Institution



IN BRIEF

IN BRIEF:
Indications and Usage—LO/OVRAL s is indicated for the prevention of pregnancy in women who elect to use oral contraceptives (OC's) as a method of contraception.

Contraindications— OC's should not be used in women with any of the following conditions: 1. Thrombophlebitis or thromboembolic disorders 2. A past history of deep-vein thromboembolic disorders 1.

thromopnheiths or infolindemental diseases

4. Known or suspected carcinoma of the breast.

5. Known or suspected estrogen-dependent neoplasia.

6. Undiagnosed abnormal genital bleeding. 7. Known or suspected pregnancy (see Warning No. 5). 8. Benign or malignant liver tumor which developed during use of OC's or other estrogen-containing products. Warnings

Cigarette smoking increases the risk of serious cardiovascular side effects from oral contraceptive use. This risk increases with age and with heavy smoking (15 or more cigarettes per day) and is quite marked in women over 35 cigarettes per day) and is quite marked in women over 35 years of age. Women who use oral contraceptives should be strongly advised not to smoke.
The use of oral contraceptives is associated with increased risk

of several serious conditions, including thromboembolism, stroke, myocardial infarction, hepatic adenoma, gallbladder disease, hypertension Practitioners prescribing oral contraceptives should be familiar with the following information relating to these risks.

Thromboembolic Disorders and Other Vascular Problems increased risk of thrombonic and thrombonic disease associated with use of OC's is well established. Three principal studies in Great Britain and 3 in the U.S. have demonstrated increased risk

Great Britain and 3 in the U.S. have demonstrated increased risk of fatal and nonitatal venous thromboembolism and stroke. both hemorrhagic and thrombotic. These studies estimate that users of OC's are 4 to 11 times more likely than nonusers to develop these diseases without evident cause CEREBROVASCULAR DISORDER—In a collaborative American study of cerebrovascular disorders in women with and without predisposing causes, it was estimated that the risk of hemorrhagic stroke was 2 of times greater in users than nonusers and the risk of thrombotic stroke was 4 to 9.5 times greater in users than in

nonusers.
MYOCARDIAL INFARCTION (MI)—An increased risk of MI

preusposing causes. It was estimated that the risk of thrombotic stroke was 4 to 9.5 times greater in users than in nonusers.

MYOCARDIAL INFARCTION (MI)—An increased risk of MI associated with use of OC's has been reported, confirming a previously suspected association. These studies, conducted in the UK, found, as expected, that the greater the number of underlying risk factors for coronary artery disease (cigarette smoking, hypertension, hypercholestreolemia, obesity, diabetes, history of pre-eclamptic toxemia) the higher the risk of developing MI. regardless of whether the patient was an OC user or not OC's. however, were found to be a clear additional risk factor. In terms of relative risk, it has been estimated that OC users who do not smoke (smoking is considered a major predisposing condition to MI) are about twice as likely to have a fatal MI as nonusers who do not smoke. Out ousers who are also smokers have about a 5-fold increased risk of statal MI compared to users who do not smoke, but about a 10- to 12-fold increased risk compared to nonusers who do not smoke. Furthermore, amount of smoking is also an important lator. In determining importance of these relative risks, however, baseline rates for various age groups must be given serious consideration. Importance of other predisposing conditions mentioned above in determining relative and absolute risks has not as yet been quantified, quite likely the same synergistic action exists, but perhaps to a lesser extent. RISK OF DOSE—In an analysis of data derived from several national adverse-reaction reporting systems. British investigators concluded that risk of thromboembolism, including coronary thrombosis, is directly related to dose of estrogen in OC's. Preparations containing 100 meg or more of estrogen were associated with higher risk of thromboembolism. In those containing 50-80 mcg. Their analysis did suggest, however, that quantity of estrogen may not be the sole factor involved. This tinding has been confirmed in the UK estimated the mortality

surgery of a type associated with increased risk of thromboembo

surgery or a type associated with increased risk of thromboembo-lism or prolonged immobilization.

2. Ocular Lesions— There have been reports of neuro-ocular lesions such as optic neurits or retinal thrombosis associated with use of OCs. Discontinue OCs if there is unexplained, sudden or gradual, partial or complete loss of vision; onset of proptosis or diplopia: papilledema; or retinal-vascular lesions, and institute appropriate diagnostic and therapeutic measures.

diagnostic and therapeutic measures.

3. Carcinoma—Long-term continuous administration of either natural or synthetic estrogen in certain animal species increases frequency of carcinoma of the breast, cervix, vagina, and liver Certain synthetic progestogens, none currently contained in OCs, have been noted to increase incidence of mammary nodules, benign

and malignant, in dogs. In humans, 3 case-control studies have reported an increased risk of endometrial carcinoma associated with prolonged use of exogenous estrogen in postmenopausal women One publication reported on the first 21 cases submitted by physicians to a registry of cases of adenocarcinoma of the endometrium in women under 40 on OCs. Of cases found in women without predisposing risk factors (e.g., irregular bleeding at the time OCs were first given, polycystic ovaries), nearly all occurred in women who had used a sequential OC. These are no longer marketed. No evidence has been reported suggesting increased risk of endometrial cancer in users of conventional combination or progestogen-only OCs. Several studies have found no increase in breast cancer in women taking OCs or estrogens. One study, however, while also noting no overall increased risk of breast cancer in women on OCs. Studia an excess risk in subgroups of OC users with documented benign breast disease. Reduced occurrence of benign breast timors in users of OCs has been well documented. In summary, there is at present no confirmed evidence occurrence of benign breast tumors in users of OC's has been well documented in summary, there is at present no confirmed evidence from human studies of increased risk of cancer associated with OC's Close clinical surveillance of all women on OC's is, nevertheless, essential. In all cases of undiagnosed persistent or recurrent abnormal vaginal bleeding, appropriate diagnositic measures should be taken to rule out malignancy. Women with a strong family history of breast cancer or with breast nodules, thorocystic disease, or abnormal mammograms should be monitored with particular care if they elect to use OC's.

Heratic Tumors—Region benatic adenomas have been found.

If they elect to use OC's
4. Hepatic Tumors—Bengin hepatic adenomas have been found
to be associated with use of OC's. One study showed that OC's
with high hormonal potency were associated with higher risk
than lower potency OC's. Although bengin, hepatic adenomas
may rupture and may cause death through intra-abdominal
hemorrhage. This has been reported in short-term as well as
long-term users. Iwo studies relate risk with duration of use of
OC's, the risk being much greater after 4 or more years use.
While hepatic adenoma is rare, it should be considered in
women presention abdominal pain and tengences, addominal

nemorrnage. Inis has been reported in short-term as well as long-term users. Iwo studies relate in short for more years' use. While hepatic adenoma is rare, it should be considered in women presenting abdominal pain and tenderness, abdominal mass or shock. A few cases of hepatocellular carcinoma have been reported in women on OCs. Relationship of these drugs to this type of malignancy is not known.

5. Use in or Immediately Preceding Pregnancy, Birth Defects in Offspring, and Malignancy in Female Offspring.— Use of temale sex hormones—both estrogenic and progestational agents—during early pregnancy may seriously damage the offspring. It has been shown that females exposed in utero to diethylstilbestrol, a nonsteroidal estrogen, have increased risk of developing in later life a form of vaginal or cervical cancer ordinarily extremely rare. This risk has been estimated to be of the order of 1 in 1.000 exposures or less. Although there is no evidence now that OCs further enhance risk of developing this type of malignancy, such patients should be monitored with particular care if they elect to use OCs. Furthermore, 30 to 90% of such exposed women have been found to have epithelial changes of the vagina and cervix. Although these changes are histologically benign, it is not known whether this condition is a precursor of vaginal malignancy. Male children so exposed malignancy and the control of the exposed distribution of the vaginal malignancy will be control to the exposed distribution of the vaginal malignancy will be control to the control of the vaginal malignancy will be control to the exposed distribution of the vaginal malignancy will be control to the vaginal will be vaginal to the vaginal will be vaginal to the vaginal available on which to base this. The administration of progestogen-estrogen combinations to induce withdrawal bleeding should not be used as a test of pregnancy. 6 Gallbladder Disease—Studies report increased risk of surgically confirmed gallbladder disease in users of OC's and estrogens. In one study, increased risk appeared after 2 years use and doubled after 4 or 5 years use. In one of it other studies, increased risk was apparent between 6 and 12 months use. 7 Carbohydrate and Lipid Metabolic Effects—Decrease in plurose to ligrance has been observed in a significant percen-

I Carbonyorate and Lipto Metabolic Effects — Decrease in glucose tolerance has been observed in a significant percentage of patients on OC's. For this reason, prediabetic and diabetic patients should be carefully observed while on OC's. Increase in triglycerides and total phospholipids has been observed in patients on OC's. clinical significance of this finding remains to be defined.

be defined.

8 Elevated Blood Pressure—Increase in blood pressure has been reported in patients on OC's. In some women, hypertension may occur within a few months of beginning OC's. In the 1st year of use, prevalence of women with hypertension is low in users and may be no higher than that of a comparable group of nonusers. Prevalence in users increases, however, with longer exposure, and in the 5th year of use is 2½ to 3 times the longer exposure, and in the 5th year of use is 2½ to 3 times the reported prevalence in the 1st year. Age is also strongly correlated with development of hypertension in OC users. Women who previously have had hypertension during pregnancy may be more likely to develop elevation of blood pressure on OCs. Hypertension that develops as a result of taking OC's usually returns to normal after discontinuing the drug 9. Headache— Onset or exacerbation of migraine or development of headache of a new pattern which is recurrent, persistent. Or severe, requires discontinuation of OC's and evaluation of the cause.

of the date of the

vaginal bleeding, nonfunctional causes should be borne in mind In undiagnosed persistent or recurrent abnormal bleeding from the vagina, adequate diagnostic measures are indicated to rule out pregnancy or malignancy If pathology has been excluded, time or change to another OC may solve the problem. Changing to an OC with a higher estrogen content, while potentially useful in minimizing menstrual irregularity, should be done only if necessary, since this may increase risk of thromboembolic disease. Women with past history of oligomenorrhea or secondary amenorrhea or young women without regular cycles may have a tendency to remain anovulatory or to become amenorrheic after discontinuing OCs. Women with these pre-existing problems should be advised of this possibility and encouraged to use other methods. Post-use anovulation, possibly prolonged, may also occur in women without previous possibly prolonged, may also occur in women without previous rregularities. 11. *Ectopic Pregnancy*—Ectopic as well as intrauterine

irregularities.

Il Ectopic Pregnancy—Ectopic as well as intrauterine pregnancy may occur in contraceptive failures.

2. Breast-feeding—OCS given in the postpartum period may interfere with lactation and decrease quantity and quality of breast milk. Furthermore, a small fraction of the hormones in OCS has been identified in the milk of mothers on OCS; effects, if any, on the breast-fed child have not been determined. If feasible, defer OCS until infant has been weaned.

Precautions—GENERAL—1. A complete medical and family history should be taken prior to initiation of OCS. Pretreatment and periodic physical examinations should include special reference to blood pressure, breasts, abdomen and pelvic organs, including Pap smear and relevant laboratory tests. As a general rule OCS should not be prescribed for longer than 1 year without another physical examination.

2. Under influence of estrogen-progestogen preparations, pre-existing uterine leiomyomata may increase in size.

3. Patients with history of psychic depression should be carefully observed and the drug discontinued if depression recurs to a serious degree. Patients becoming significantly depressed while on OCs should stop OCs and use an alternate method to try to determine whether the symptom is drug-related.

4. OCs may cause some degree of fluid retention. They should

related 4. OCS may cause some degree of fluid retention. They should be prescribed with caution, and only with careful monitoring, in patients with conditions which might be aggravated by fluid retention, such as convulsive disorders, migraine syndrome, asthma, or cardiac or renal insufficiency.

5. Patients with a past history of jaundice during pregnancy have an increased risk of recurrence while on OC's. If jaundice develops, OC's should be discontinued.

6. Steroid hormones may be poorly metabolized in patients with impaired liver function and should be administered with caution.

7. OC users may have disturbances in normal tryptophan metabolism which may result in a relative pyridoxine deficiency. Clinical significance is undetermined.

8. Serum folate levels may be depressed by OC's. Since the pregnant woman is predisposed to development of folate.

8 Serum foldte levels may be depressed by OCs. Since the pregnant woman is predisposed to development of folate deficiency and incidence of folate deficiency increases with increasing gestation. It is possible that if a woman becomes pregnant shortly after stopping OCs, she may have a greate chance of developing folate deficiency and complications attributed to this deficiency.
9. The pathologist should be advised of OC therapy when relevant specimens are submitted.

9. The pathologist should be advised of OC therapy when relevant specimens are submitted.
10. Certain endocrine- and liver-function tests and blood components may be affected by estrogen-containing OC's: a Increased sulfobromophthalein retention. b. Increased prothrombin and factors VII. VIII., IX, and X. decreased antithrombin 3. increased increpinephrine-induced platelet aggregability. c. Increased thyroid-binding globulin (TBG) leading to increased circulating total-thyroid hormone, as measured by protein-bound iodine (PBI). T4 by column, or 14 by radiommunoassay. Free T3 resin uptake is decreased, reflecting the elevated TBG. free T4 concentration is unaltered. Decreased pregnaned in excretion. e. Reduced response to d. Decreased pregnanediol excretion. e. Reduced response to metyrapone test

metyrapone test.
Information for the Patient—See Patient Package Labeling.
Drug Interactions—Reduced efficacy and increased incidence of breakthrough bleeding have been associated with concomitant use of rifampin A similar association has been suggested with barbiturates. phenylbutazone, phenytoin sodium, ampicillin and

use of rifampin. A similar association has been suggested with barbiturates, phenylbutazone, phenyton sodium, ampicilin and tetracycinic.

Carcinogenesis — See Warnings on carcinogenic potential of OC's. Pregnarcy—Category X. See Contraindications, Warnings. Nursing Mothers — See Warnings on Carcinogenic potential of OC's. Adverse Reactions — An increased risk of these serious adverse reactions has been associated with use of OC's (see Warnings): thrombophilebitis, pulmonary embolism, coronary thrombosis, cerebral thrombosis, neuronalies. There is evidence of an association between the following conditions and use of OC's although additional confirmatory studies are needed: mesenteric thrombosis, neuro-ocular lesions, e.g., retinal thrombosis and optic neuritis.

The following adverse reactions have been reported in patients on OC's and are believed to be drug-related. Nausea and/or vomiting, usually the most common adverse reactions occur in approximately 10 percent or less of patients during the first cycle. Other reactions, as a general rule, are seen much less frequently or only occasionally. Gastrointestinal symptoms (such as abdominal cramps and bloating). breakthrough bleeding, spotting, change in menstrual flow, dysmenorrhea, amenorrhea during and after treatment, temporary infertility after discontinuance of treatment, edema, chloasma or melasma which may persist, breast changes; tenderness, enlargement, and secretion, change in weight (increase or decrease); change in cervical erosion and cervical secretion; possible diminution in lactation when given immediately postpartum; cholestatic jaundice; migraine; increase in size of uterine leiomyomata; rash (allergic), mental depression, reduced tolerance to carbohydrates; vaginal candidasis; change in corneal curvature (stepening), intolerance to contact lenses.

The following adverse reacti





The Physicians' Champion

In 1975...The medical profession was a punching bag. The "malpractice crisis" staggered doctors with successive blows... more and more lawsuits...bigger judgments... and, soaring insurance premiums.

But, physicians fought back with the "Spirit of '75".

Round One: They got a new law passed to curb abuses of the legal system. Round Two: Seven county medical associations and societies formed their own company...SCPIE...
Today, the physician policyholders own SCPIE, they run it and they keep any profits.

SCPIE is the physicians' champion...medal winner in their fight for independence. Insuring more Southern California physicians than any other professional liability company. With

more real muscle (assets) than any other physician-owned company in the state. Doctors working together to help doctors.

That's the spirit of '75.





Sponsored by SOCAP

The medical associations and societies of Kern County, Los Angeles County, Orange County, San Bernardino County, San Luis Obispo County, Santa Barbara County, Ventura County.

"I can do things that I couldn't do for 3 yrs. including joining the human race again."



"My daily routine consisted of sitting in my chair trying to stay alive."

"My doctor switched me to PROCARDIA^[*] as soon as it became available. The change in my condition is remarkable"

"I shop, cook and can plant flowers again."

"I have been able to do volunteer work...and feel needed and useful once again."

PROCARDIA can mean the return to a more normal life for your patients—having fewer anginal attacks. taking fewer nitroglycerin tablets, doing more, and being more productive once again.

Side effects are usually mild (most frequently reported are dizziness or lightheadedness, peripheral edema, nausea, weakness, headache and flushing, each occurring in about 10% of patients, transient hypotension in about 5%, palpitation in about 2% and syncope in about 0.5%).



for the varied faces of angina

- * Procardia is indicated for the management of:
- 1) Confirmed vasospastic angina.
- 2) Angina where the clinical presentation suggests a possible vasospastic component.
- 3) Chronic stable angina without evidence of vasospasm in patients who remain symptomatic despite adequate doses of beta blockers and or nitrates or who cannot tolerate these agents. In chronic stable angina (effort-associated angina) PROCARDIA has been effective in controlled trials of up to eight weeks' duration in reducing angina frequency and increasing exercise tolerance, but confirmation of sustained effectiveness and evaluation of long-term safety in these patients are incomplete.



In clinical anxiety,



© 1983 The Upjohn Company

Upjohn THE UPJOHN COMPANY Kalamazoo, Michigan 49001 USA

depressive symptoms are part of the picture in 7 out of 10 geriatrics.

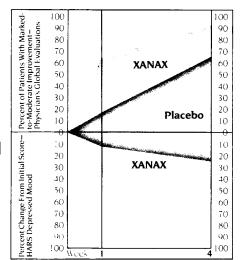
The geriatric profile of XANAX can help.

In a recent clinical study* of 83 geriatric patients with clinical anxiety, 73% were diagnosed as also having symptoms of depressed mood.

XANAX is well suited for therapy because it demonstrates greater efficacy than placebo in reducing the overall Hamilton Anxiety Rating Scale Total Score by significantly reducing individual items including depressed mood (see Figure).



- Rapidly relieves the symptoms of anxiety including depressed mood
- No clinically significant ECG changes over the course of therapy



- Relieves the symptoms of insomnia significantly better than placebo
- Drowsiness is the most frequently reported adverse effect
- Simple geriatric dosage—0.25 mg, two or three times daily

*Data on file The Upjohn Company Please see next page for brief summary of prescribing information



You provide your patients with the highest quality professional care.

You deserve the same quality in professional liability protection. Call (800) 252-7706.



MUTUAL PROTECTION TRUST Cooperative of American Physicians, Inc.

7080 Hollywood Boulevard, Suite 405 Los Angeles, California 90028 (213) 467-4700



Professional Practice Sales

Serving the professions since 1966 Nationwide services

SELECTED MEDICAL PRACTICES FOR SALE

G.P./F.P. - San Bernardino Area - Gross \$250,000

G.P. - Southgate/Linwood - Gross \$97,000

INTERNAL MEDICINE - Beverly Hills - Gross \$400,000

PSYCH. - Orange County - Facility Only

G.P. CLINIC - Riverside County - Gross \$375,000 G.P. CLINIC - Rural Missouri - Gross \$400,000

F.P./G.P. - Orange County Coast - Gross \$125,000

OB. GYN. - South Bay/Los Angeles - Gross \$125,000

G.P. + **R.E.** - L.A./Or. Cnty. Border - Gross \$350,000

INTERNIST - Orange County - Gross \$180,000

OB. GYN - Corona - Gross \$300,000 G.P./IND./EMERGI-CENTER - South Bay - Gr. \$300,000 HEMATOLOGY/ONCOLOGY - Orange County - Gr. \$150,000

G.P. - Santa Barbara County - Gross \$110,000

INT./ONCOLOGY - Long Beach Area - Gr. \$300,000

G.P. - Valencia - Gross \$110,000

OPHTHALMOLOGY - San Gabriel Valley - Gross \$480,000

INDUSTRIAL MED. - San Francisco - Flexible Terms ORTHOPEDIC SURG. - No. Calif. - Gross \$350,000

OPHTHALMOLOGY - Crescent City - Excellent Gross

ORTHOPEDIC SURG. - Sacramento - Gross \$270,000

P.P.S. SERVICES ARE STRICTLY CONFIDENTIAL If you want to sell or merge with a larger entity, call today!

PROFESSIONAL PRACTICE SALES, INC.

364 East 1 st St. Tustin, CA 92680 (714) 832-0230 (213) 938-9991

1428 Irving St. San Francisco, CA 94122 (415) 661-0700

(Continued from Page 488)



A SUCCESSFUL AND GROWING "old time GP" practice in beautiful sunny Santa Barbara. Must leave \$130,000 gross for family reasons. (805)

CALIFORNIA AND WESTERN STATES. HIGH INCOME practices for sale: Endocrinology, Radiology, Nephrology, Neurosurgery, Invasive and non-Invasive Cardiology, OB/GYN, Psychiatry, Internal, Family, Pediatric, Surgery, others. Mary Bradshaw, Professional Practice Opportunities, 21 Altamount Drive, Orinda, CA 94563; (415) 376-0762. Sales, Appraisals, Consulting, Placement Pégumé report Pagament Pégumé report professional programment pagament programment pagament programment pagament pag ment, Résumé preparation service.

OPHTHALMOLOGY-East San Fernando Valley-Established 35 years, thousands of files. Excellent location in desirable living area. Grossing \$225,000 (not including surgery) with excellent net. Full Price \$85,000. Call Professional Practice Sales (714) 832-0230.

GENERAL MEDICAL PRACTICE for lease in Professional Building. Terms 3 years. Guaranteed salary \$40,000 annually/commission %. Non-smoker. Reply P.O. Box 1151, Carmichael, CA 95608 or Tel: (916) 393-2505 for an appointment time.

INTERNAL MEDICINE: Redlands, California, San Bernardino County. Retiring from association of three general internists. Joint business office and clinical laboratory. Excellent hospital facilities. Reply Box 6419, Western Journal of Medicine, 44 Gough St, San Francisco, CA 94103.

RICHMOND AREA: Practice for sale: FP or Internist, luxurious, good location, in front of a hospital, 35 minutes from San Francisco. Contact (415) 341-2530 after 6 pm.



SAN FRANCISCO AND SEATTLE: CHEC Medical Centers has practice opportunities for physicians interested in primary medicine/minor emergency care. Guaranteed base plus financial incentives, malpractice coverage, health insurance, paid vacation and CME time, and practice equity provided. Please send CV to Richard Miller, Director of Physician Services, CHEC Medical Centers, 2200 Sixth Avenue, Suite 1200-BB, Seattle, WA 98121.

FAMILY PRACTICE FOR SALE. 45 miles east of San Francisco, growing area, office adjacent hospital. Good lease, 200K gross, \$90,000. Details (415) 930-0479.

URGENT CARE CENTERS-Excellent opportunity for Board certified Family Physician, Internist or ER Physician with 3 years experience. Full or part-time practice in centers operated by national hospital chain now developing new subsidiary in Southern California. Competitive salary plus incentive and fringe benefits. Send CV to: Dr Charles Magee, 9681 Hidden Farm Road, Alta Loma, CA 91701, or call: (714) 980-2226.



INTERNIST WANTS TO BUY Internal Medicine practice in a town of 25,000 or more population. Please call (606) 832-4404 after 5 pm; or Box 6418, Western Journal of Medicine, 44 Gough St, San Francisco, CA 94103.

HEMATOLOGIST-ONCOLOGIST/INTERNIST seeks hospital-based practice. Northern California, L.A. area preferred. Available August 1984. CV upon request at Box 6417, Western Journal of Medicine, 44 Gough St, San Francisco, CA 94103.

CLASSIFIED INFORMATION

(415) 863-5522 **EXTENSION 244**



ANESTHETIC MACHINE-Ohio Medical, 4000 Series, 'Compact,' fully equipped. 5 drawers w/ lock. Like new. Reasonable. Dr Gilmartin, (916) 929-3686.

IREX SYSTEM II M-MODE ECHOCARDIOGRAPH-IC UNIT. Seldom used-11/2 years old, can upgrade to 2 D. Asking \$15,000 (negotiable). Call: (209) 239-6400.



RELOCATE YOUR SPECIALTY PRACTICE. 1,000 square feet minimum space available for immediate lease in brand new prestigious medical building attached directly to hospital for easy access and more "patient time" in office. Consult with on-site designer for tenant-finishing to your specifications. Local banks will provide financial loans for any new doctors that may locate in Laramie. Ivinson Professional Plaza, 3116 Willett Drive, Laramie, WY 82070; (307) 742-5529.

SPOKANE MEDICAL SUITES AVAILABLE 605-1,050 sq. ft. Fully serviced building: pharmacy, path-lab, x-ray, dispensing optician, physical therapist, dental lab, restaurant, conference room, vault. Supporting practices. Ample parking for patients and staff. Adjacent to hospital. Medical Center Building-Kiemle & Hagood Co., Property Managers, West 601 Main Avenue, Spokane, WA 99201; (509) 838-6541.

SOUTH LAKE TAHOE: 1,085 sq. ft. medical office in the Tahoe Medical Dental Arts Building located in a complex of twenty other medical professionals across from Barton Memorial Hospital. \$1.10 per sq. ft. includes all utilities. Contact Dr John Riebe at (916) 541-4770 or write Box 8895, South Lake Tahoe, CA 95731.

MEDICAL OFFICE SUITE FOR LEASE in Manteca, California. Excellent location, ultra-modern. 1,500 plus sq. ft, approximately \$1,250/month plus utilities. Three year lease—occupancy September 1, 1984. Call: (209) 239-6400.

MED. BLDG FOR SALE, GIG HARBOR, WASH. Suburb of Tacoma. Quality living. Exc. down-town location. 2,885 sq ft including 4 exam rms, surg, lab and x-rays. Commercial zoning. \$265,000 on attractive terms. Equip. also avail. Contact Wm. L. Hess, 3101 Judson Street, Gig Harbor, WA 98335; (206) 858-6141.

> OFFICE SPACE AVAILABLE Castro Valley, California THE GROVE WAY MEDICAL CENTER

800 to 1,600 sq. ft. Suites. Some set-up for two-man or group practices. FULLY SER-VICED building, Pharmacy, Lab and X-ray on premises. \$1.00 sq. ft.

Call 428-0823 or 932-5197



"1984" The computer era emerge's! and with it . . .

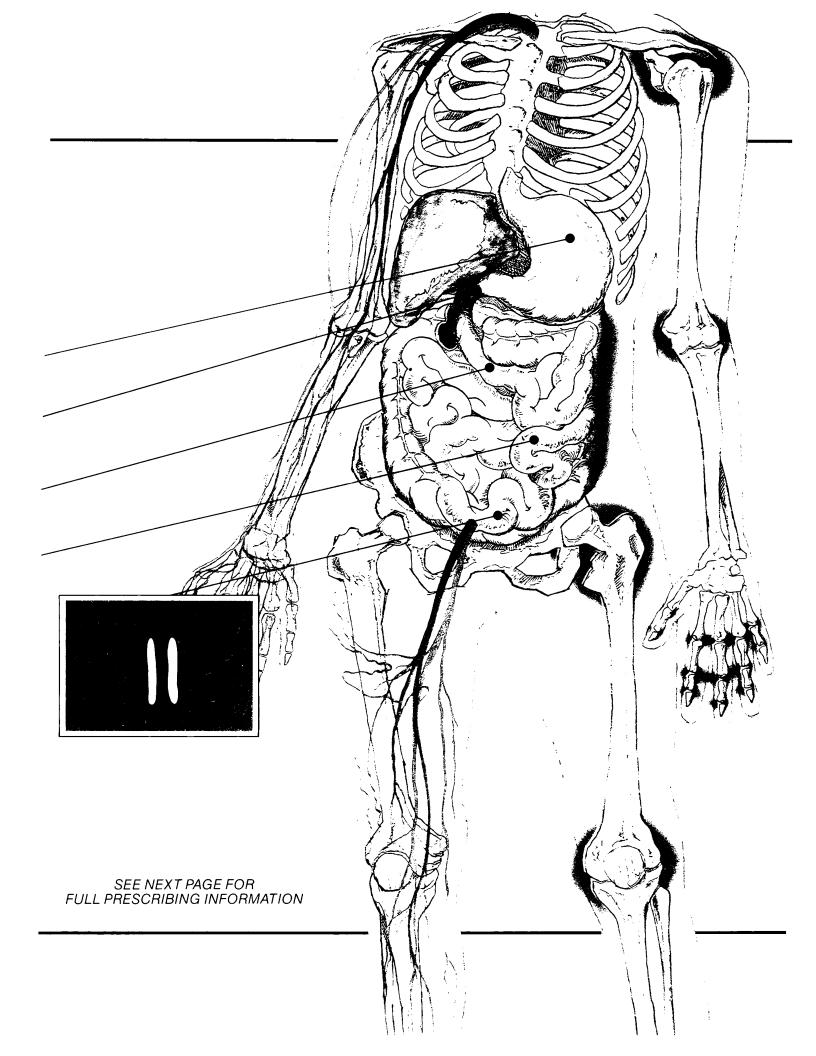
PPO's, DRG's and Electronic Insurance Billing.

Grasp control of your future now! With our proven in-house Medical Computer System. "Make 1984" The year you improve practice management, increase cash flow, and build your patient load. *Call today!*



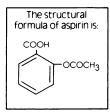
Gastric distress is reduced. pH-dependent matrix virtually doesn't release in acidic stomach. ZORprin® (aspirin) is released in the alkaline environment of the small intestine. Zero-order release delivers drug at a constant rate, reducing serum peaks and valleys. Convenient b.i.d. dosage...enhances patient compliance. Economical...comparable efficacy and safety as other NSAIDs, yet costs approximately one-half as much. Your first step in arthritis therapy... **ZORprin** (ASPIRIN) Zero-Order Release.





ZORprin (ASPIRIN) Zero-Order Release

DESCRIPTION: Each capsule-shaped tablet of Zorprin contains 800 mg of aspirin, formulated in a special matrix to control the release of aspirin after ingestion. The controlled availability of aspirin provided by Zorprin approximates zero-order release; the *in vitro* release of aspirin from the tablet matrix is linear and independent of the concentration of the drug ___CLINICAL PHARMACOLOGY: Aspirin, as contained in Zorprin, is a salicylate that has demonstrated anti-inflammatory and analgesic activity. Its mode of action as



Aspirin, as contained in Zorprin, is a salicylate that has demonstrated anti-inflammatory and analgesic activity. Its mode of action as an anti-inflammatory and analgesic agent may be due to the inhibition of synthesis of prostaglandins, although its exact mode of action is not known. □ Zorprin dissolution is pH-dependent. In vitro studies have shown very little aspirin to be released in acidic solutions; whereas. Zorprin releases the majority of its aspirin formula of aspirin Is:

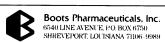
The structural formula of aspirin Is:

COOH

CO

shown Ziner with the control of the

Pioneers in medicine for the family



This Publication is available in Microform.



University Microfilms International

Please send additional information
for
Name
Institution
Street
City
StateZip

300 North Zeeb Road Dept. P.R. Ann Arbor, Mi. 48106

The AMA has tackled the issue

of cost effective quality medical care by supporting the development of health care coalitions. The Association believes the best mechanism for keeping health costs down without sacrificing quality or accessibility is through voluntary coalitions in which physicians actively participate. Working to promote high quality, affordable medical care in the United States: it's one more good

reason why you should be a part of the AMA.

WHY AMA? The AMA has actively sought to attract women as members and leaders in organized medicine. Ongoing AMA projects and concentrated efforts by county, state, and specialty societies have significantly increased the leadership role and membership of women in organized medicine. Strengthening the voice of women in medicine through encouraging active participation: it's one more good reason why you should be a part of the AMA.

WHY AMA? Through the AMA library you can have immediate access to a vast store of medical, scientific, and socio-economic information. The library maintains a large collection of books, journals, and microfilm and provides instant on-line access to countless information sources through computerized data bases. The AMA library: it's one more good reason why you should be part of the AMA.

To Join, Contact your county or state medical society or write: Division of Membership, AMA, 535 North Dearborn Street, Chicago, Illinois 60610 or call collect, (312) 751-6196.

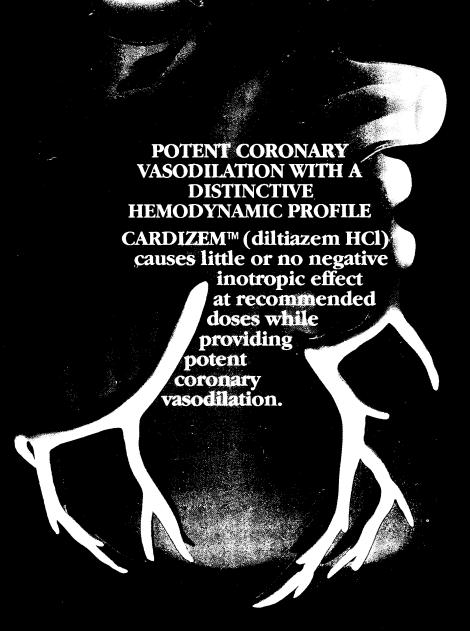


Announcing a major advance in cardiovascular therapy

CARDIZEM™ (diltiazem HCl)
30 mg and 60 mg tablets

CALCIUM CHANNEL BLOCKADE

Marion Laboratories

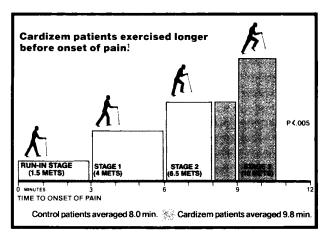




INCREASES EXERCISE TOLERANCE, REDUCES ANGINAL FREQUENCY* WITH A LOW INCIDENCE OF SIDE EFFECTS

Calcium channel blockade with CARDIZEM™ (diltiazem HCl) produces changes in cardiovascular hemodynamics and coronary blood flow that are of benefit in myocardial ischemia.

CARDIZEM™ (diltiazem HCl) ALLOWS PATIENTS TO SIGNIFICANTLY PROLONG EXERCISE TOLERANCE, EVEN IN DEMANDING BRUCE PROTOCOL EXERCISE TESTS¹ (n = 15)[†]



This study is of special significance because patients not only exercised longer but to the next higher stage in the Bruce protocol.

A Bruce protocol with a run-in stage was used for all tests. Each stage lasts three minutes.

In other studies, Cardizem produced 41% to 68% reduction of Prinzmetal's variant angina attacks?

†This study is a report from one center in a multicenter study.

Therapy with Cardizem produced a low incidence of side effects.

In placebo-controlled trials (222 patients) conducted in the United States, the incidence of adverse reactions reported during Cardizem therapy was not greater than that reported during placebo therapy.

Pool PE, Seagren SC, Bonanno JA, et al: The treatment of exercise-inducible chronic stable angina with diltiazem: Effect on treadmill exercise. *Chest* 78 (July suppl): 234-238, 1980.
 Schroeder JS, Feldman RL, Giles TD, et al: Multiple of diltiagem for Pringretal angina Am L Mod

controlled trial of diltiazem for Prinzmetal's angina. Am J Med 72:227-232, 1982.

Those adverse reactions reported most frequently with Cardizem in 959 patients in controlled and uncontrolled U.S. trials have been:

• Nausea2.7	1 %
• Swelling/edema	
• Arrhythmia	
• Headache2.0	
• Rash	3%
• Fatigue	.%

Other reactions reported infrequently (less than 1%) are listed in full prescribing information on adjacent page.

^{*}Please see adjacent page for full prescribing information.

PROFESSIONAL USE INFORMATION



DESCRIPTION

CARDIZEM™ (diltiazem hydrochloride) is a calcium ion influx inhibitor (slow channel blocker or calcium antagonist). Chemically, diltiazem hydrochloride is 1,5-Benzohlazepin-4(5H)one,3-(acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3-dihydro-2-(4-methoxyphenyl)-monohydrochloride,(+)-cis-. The chemical structure is:

Diltiazem hydrochloride is a white to off-white crystalline powder with a bitter taste. It is soluble in water, methanol, and chloroform. It has a molecular weight of 450.98. Each tablet of CARDIZEM contains either 30 mg or 60 mg diltiazem for oral administration.

CLINICAL PHARMACOLOGY

The therapeutic benefits achieved with CARDIZEM are believed to be related to its ability to inhibit the influx of calcium ions during membrane depolarization of cardiac and vascular smooth muscle.

Mechanisms of Action. Although precise mechanisms of its antianginal actions are still being delineated, CARDIZEM is believed to act in the following ways.

antianginal actions are still being delineated, CARDIZEM is believed to act in the following ways:

1. Angina Due to Coronary Artery Spasm: CARDIZEM has been shown to be a potent dilator of coronary arteries both epicardial and subendocardial. Spontaneous and ergonovine-induced coronary artery spasm are inhibited by CARDIZEM.

2. Exertional Angina: CARDIZEM has been shown to produce increases in exercise tolerance, probably due to its ability to reduce myocardial oxygen demand. This is accomplished via reductions in heart rate and systemic blood pressure at submaximal and maximal exercise work loads.

In animal models, dilitazem interferes with the slow inward (depolarizing) current in excitable tissue. It causes excitation-contraction uncoupling in various myocardial tissues without changes in the configuration of the action potential. Dilitazem produces relaxation of coronary vascular smooth muscle and dilation of both large and small coronary arteries at drug levels which cause little or no negative intoriopic effect. The resultant increases in coronary blood flow (epicardial and subendocardial) occur in ischemic models and are accompanied by dose-dependent decreases in systemic blood pressure and decreases in peripheral resistance.

Hemodynamic and Electrophysiologic Effects. Like other calcium antagonists, diltiazem decreases sinoatrial and atrio-ventricular conduction in isolated tissues and has a negative inotropic effect in isolated preparations. In the intact animal, prolongation of

effect in isolated preparations. In the intact animal, prolongation of the AH interval can be seen at higher doses. In man, dilitazem prevents spontaneous and ergonovine-provoked coronary artery spasm. It causes a decrease in peripheral vascular resistance and a modest fall in blood pressure and, in exercise tolerance studies in patients with ischemic heart disease, reduces the heart rate/blood pressure product for any given work load. Studies to date, primarily in patients with good ventricular function, have not revealed evidence of a negative inotropic effect; cardiac output, ejection fraction, and left ventricular end diastolic pressure have not been affected. There are as yet few data on the interaction of dilitazem and beta-blockers. Resting heart rate is usually unchanged or slightly reduced by dilitiazem.

or slightly reduced by diltiazem.
Intravenous diltiazem in doses of 20 mg prolongs AH conduction

or slightly reduced by diltiazem.

Intravenous diltiazem in doses of 20 mg prolongs AH conduction time and AV node functional and effective refractory periods approximately 20%. In a study involving single oral doses of 300 mg of CARDIZEM in six normal volunteers, the average maximum PR prolongation was 14% with no instances of greater than first-degree AV block. Diltiazem-associated prolongation of the AH interval is not more pronounced in patients with first-degree heart block. In patients with sick sinus syndrome, diltiazem significantly prolongs sinus cycle length (up to 50% in some cases).

Chronic oral administration of CARDIZEM in doses of up to 240 mg/day has resulted in small increases in PR interval, but has not usually produced abnormal prolongation. There were, however, three instances of second-degree AV block and one instance of third-degree AV block in a group of 959 chronically treated patients.

Pharmacokinetics and Metabolism. Diltiazem is absorbed from the tablet formulation to about 80% of a reference capsule and is subject to an extensive first-pass effect, giving an absolute bio-availability (compared to intravenous dosing) of about 40%. CARDIZEM undergoes extensive hepatic metabolism in which 2% to 4% of the unchanged drug appears in the urine. In vitro binding studies show CARDIZEM is 70% to 80% bound to plasma proteins. Competitive ligand binding studies have also shown CARDIZEM result in detectable plasma levels within 30 to 60 minutes and peak plasma levels two to three hours after drug administration. The plasma elimination half-life following single or multiple drug administration is approximately 3.5 hours. Desacetyl diltiazem is also present in the plasma at levels of 10% to 20% of the parent drug and is 25% to 50% as potent as a coronary vasodilator as diltiazem. Therapeutic blood levels of CARDIZEM appear to be in the range of 50 to 200 ng/ml. There is a departure from dose-linearity when single coses above 60 mg are given; a 120-mg dose gave blood levels three times that of the

INDICATIONS AND USAGE

Angina Pectoris Due to Coronary Artery Spasm.
 CARDIZEM is indicated in the treatment of angina pectoris due to coronary artery spasm. CARDIZEM has been shown

effective in the treatment of spontaneous coronary artery spasm presenting as Prinzmetal's variant angina (resting angina with ST-segment elevation occurring during attacks).

2. Chrenic Stable Angina (Classic Effort-Associated Angina). CARDIZEM is indicated in the management of chronic stable angina in patients who cannot tolerate therapy with beta-blockers and/or nitrates or who remain symptomatic despite adequate doses of these agents. CARDIZEM has been effective in short-term controlled trials in reducing angina frequency and increasing exercise tolerance. but confirmation frequency and increasing exercise tolerance, but confirmation of sustained effectiveness is incomplete.

There are no controlled studies of the effectiveness of the con-comitant use of dilitazem and beta-blockers or of the safety of this combination in patients with impaired ventricular function or con-duction abnormalities.

CONTRAINDICATIONS

CARDIZEM is contraindicated in (1) patients with sick sinus syndrome except in the presence of a functioning ventricular pacemaker, (2) patients with second- or third-degree AV block, and (3) patients with hypotension (less than 90 mm Hg systolic).

WARNINGS

1. Cardiac Conduction. CARDIZEM prolongs AV node refractory periods without significantly prolonging sinus node recovery time, except in patients with sick sinus syndrome. This effect may rarely result in abnormally slow heart rates (particularly in patients with sick sinus syndrome) or second- or third-degree AV block (four of 959 patients for 0.42%). Concomitant use of

AV block (four of 959 patients for 0, 42%), Concomitant use of diltiazem with beta-blockers or digitalis may result in additive effects on cardiac conduction. A patient with Prinzmetal's angina developed periods of asystole (2 to 5 seconds) after a single dose of 60 mg of diltiazem.

2. Congestive Heart Failure. Although diltiazem has a negative inotropic effect in isolated animal tissue preparations, hemodynamic studies in humans with normal ventricular function have not shown a reduction in cardiac index nor consistent negative effects on contractility (dp/dt). Experience with the use of CARDIJZEM alone or in combination with beta-blockers use of CARDIZEM alone or in combination with beta-blockers in patients with impaired ventricular function is very limited. Caution should be exercised when using the drug in such

Hypotension. Decreases in blood pressure associated with CARDIZEM therapy may occasionally result in symptomatic

hypotension.

Acute Hepatic Injury. There has been a single report in a patient receiving 120 mg of dilitiazem tid of marked transaminase elevation (SGOT 4500, SGPT 2300) accompanied by hyperbillirubinemia (to 3 mg/%), occurring after four days of treatment. bilirubinemia (to 3 mg/s), occurring after four days of treatment. The enzyme abnormalities resolved entirely, and enzymes were nearly normal a week after cessation of treatment. No rechalenge was carried out, but the patient had no evidence of viral hepatitis and received no other drugs but isosorbide dinitrate. No other similar liver injury has been reported in clinical trials, but marketing experience in Europe has resulted in a rechallenge-confirmed instance of hepatocellular injury. However, it selved he next that there have been further encodes.

ever, it should be noted that there have been further episodes of raised transaminases in the absence of diltiazem in this patient, so that the relationship to diltiazem of the abnormalities is not completely clear. Other instances of transaminase elevation have been reported in Europe, but their relationship to the drug is uncertain.

PRECAUTIONS

PRECAUTIONS
General. CARDIZEM is extensively metabolized by the liver and excreted by the kidneys and in bile. As with any new drug given over prolonged periods, laboratory parameters should be monitored at regular intervals. The drug should be used with caution in patients with impaired renal or hepatic function. In subacute and chronic dog and rat studies designed to produce toxicity, high doses of dilitiazem were associated with hepatic damage. In special subacute hepatic studies, oral doses of 125 mg/kg and higher in rats were associated with histological changes in the liver which were reversible when the drug was discontinued. In dogs, doses of 20 mg/kg were also experienced with hepatic changes however these changes were associated with hepatic changes; however, these changes were reversible with continued dosing.

Drug Interaction. Pharmacologic studies indicate that there may be additive effects in prolonging AV conduction when using beta-blockers or digitalis concomitantly with CARDIZEM. (See

Uncontrolled domestic studies suggest that concomitant use of CARDIZEM and beta-blockers or digitalis is usually well tolerated. Available data are not sufficient, however, to predict the effects of concomitant treatment, particularly in patients with left ventricular dysfunction or cardiac conduction abnormalities; the effect of diltiazem on serum digoxin levels has not been examined. The safety of the combination of CARDIZEM and beta-blockers or digitalis is cur-

continuation of Andrecker and Deta-Blockers of digitals is cur-rently being investigated in well-controlled studies. Carcinogenesis, Mutagenesis, Impairment of Fertility. A 24-month study in rats and a 21-month study in mice showed no evidence of carcinogenicity. There was also no mutagenic response in in vitro bacterial tests. No intrinsic effect on fertility was observed

Pregnancy. Category C. Reproduction studies have been conducted in mice, rats, and rabbits. Administration of doses ranging from five to ten times greater (on a mg/kg basis) than the daily recommended therapeutic dose has resulted in embryo and fetal lethality. These doses, in some studies, have been reported to cause skeletal abnormalities. In the perinatal/postnatal studies, there was some reduction in early individual pup weights and survival rates. There was an increased incidence of stillbirths at doses of 20

times the human dose or greater.

There are no well-controlled studies in pregnant women; therefore, use CARDIZEM in pregnant women only if the potential benefit

justifies the potential risk to the fetus.

Nursing Mothers. It is not known whether this drug is excreted in human milk. Because many drugs are excreted in human milk, exercise caution when CARDIZEM is administered to a nursing woman if the drug's benefits are thought to outweigh its potential

Pediatric Use. Safety and effectiveness in children have not

ADVERSE REACTIONS

Serious adverse reactions have been rare in studies carried out to date, but it should be recognized that patients with impaired ventricular function and cardiac conduction abnormalities have usually been excluded. Experience with an added beta-blocker is

usually been excluded. Experience with an added beta-blocker is also extremely limited.

In domestic placebo-controlled trials, the incidence of adverse reactions reported during CARDIZEM therapy was not greater than that reported during placebo therapy.

that reported during placebo therapy. In addition, the following have been reported infrequently and represent occurrences which can be at least reasonably associated with the pharmacology of calcium influx inhibition. In many cases, the relationship to CARDIZEM has not been established. The most common occurrences, as well as their frequency of presentation, are nausea (2.7%), swelling/dedma (2.4%), arrhythmia (2.0%), headache (2.0%), rash (1.8%), and fatigue (1.1%). In addition, the following events were reported infrequently (<1.0%). The order of presentation corresponds to the relative frequency of occurrence.

Cardiovascular: Flushing, congestive heart failure, bradycardia, hypotension, syncope, pounding heart.

Central Nervous Drowsiness, dizziness, lightheadedness, nervous-system: ness, depression, weakness, insomnia, confusion, hallucinations.

Nomiting, diarrhea, gastric upset, constipation, indigestion, pyrosis.

Pruritus, petechiae, urticaria.

Photosensitivity, nocturia, thirst, paresthesias, Gastrointestinal:

Dermatologic:

THOTOSENSITIVITY, NOCTUTIA, thirst, paresthesias, polyuria, osteoarticular pain.

The following additional experiences have been noted:
A patient with Prinzmetal's angina experiencing episodes of vasospastic angina developed periods of transient asymptomatic asystole approximately five hours after receiving a single 60-mg dose of CARDIZEM.

Experience in 050 patients.

Experience in 959 patients taking oral doses of CARDIZEM resulted in three cases (0.31%) of second-degree AV block and one case (0.10%) of third-degree AV block at doses of 240 to

In rare instances, mild to moderate transient elevations of alkaline phosphatase, SGOT, SGPT, LDH, and CPK have been noted during CARDIZEM therapy. A single incident of markedly elevated liver enzymes associated with symptoms was reported in a patient taking 360 mg per day for four days. Drug was discontinued and enzymes normalized within 1 week.

OVERDOSAGE OR EXAGGERATED RESPONSE
Overdosage experiences with oral diltiazem have not been reported. Single oral doses of 300 mg of CARDIZEM have been well tolerated by healthy volunteers. In the event of overdosage or exaggerated response, appropriate supportive measures should be employed in addition to gastric lavage. The following measures may be considered:

Administer atropine (0.60 to 1.0 mg). If there is no response to vagal blockade, administer isopro-Bradycardia terenol cautiously.

Treat as for bradycardia above. Fixed high-degree High-degree AV

AV block should be treated with cardiac pacing. Administer inotropic agents (isoproterenol, dopamine, or dobutamine) and diuretics. Cardiac Failure Vasopressors (eg, dopamine or levarterenol Hypotension

bitartrate).

Actual treatment and dosage should depend on the severity of the clinical situation and the judgment and experience of the treating

The oral LD50's in mice and rats range from 415 to 740 mg/kg and from 560 to 810 mg/kg, respectively. The intravenous LD₅₀'s in these species were 60 and 38 mg/kg, respectively. The oral LOso in dogs is considered to be in excess of 50 mg/kg, while lethality was seen in monkeys at 360 mg/kg. The toxic dose in man is not known, but blood levels in excess of 800 ng/ml have not been associated with toxicity.

DOSAGE AND ADMINISTRATION

Exertional Angina Pectoris Due to Atheroscierotic Coronary

Artery Disease or Angina Pectoris at Rest Due to Coronary Artery Disease or Angina Pectoris at Rest Due to Coronary Artery Spasm. Dosage must be adjusted to each patient's needs. Starting with 30 mg four times daily, before meals and at bedtime, dosage should be increased gradually to 240 mg (given in divided doses three or four times daily) at one- to two-day intervals until optimum response is obtained. The effectiveness and safety of dosages exceeding 240 mg per day are currently being investigated. There are no available data concerning dosage requirements in patients with impaired renal or hepatic function. If the drug must be used in such patients, titration should be carried out with particular caution.

oncomitant Use With Other Antianginal Agents.

- Concominant use with other Antianginal Agents.

 1. Sublingual NTG may be taken as required to abort acute anginal attacks during CARDIZEM therapy.

 2. Prophylactic Nitrate Therapy CARDIZEM may be safely coadministered with short- and long-acting nitrates, but there have been no controlled studies to evaluate the antianginal effectiveness of this complication. effectiveness of this combination.

 3. Beta-blockers. (See WARNINGS and PRECAUTIONS.)

HOW SUPPLIED

HOW SUPPLIED
CARDIZEM 30-mg tablets are supplied in bottles of 100 (NDC 0088-1771-47). Each green tablet is engraved with MARION on one side and 1771 engraved on the other. CARDIZEM 60-mg scored tablets are supplied in bottles of 100 (NDC 0088-1772-47). Each yellow tablet is engraved with MARION on one side and 1772 on the other. the other

Issued 11/82

Another patient benefit product from





If you still believe in me, save me.

For nearly a hundred years, the Statue of Liberty has been America's most powerful symbol of freedom and hope. Today the corrosive action of almost a century of weather and salt air has eaten away at the iron framework; etched holes in the copper exterior.

On Ellis Island, where the ancestors of nearly half of all Americans first stepped onto American soil, the Immigration Center is now a hollow ruin.

Inspiring plans have been developed to restore the Statue and to create on Ellis Island a permanent museum celebrating the ethnic diversity of this country of immigrants. But unless restoration is begun now, these two landmarks in our nation's heritage could be closed at the very time America is celebrating their hundredth anniversaries. The 230 million dollars needed to carry out the work is needed now.

All of the money must come from private donations; the federal government is not raising the funds. This is consistent with the Statue's origins. The French people paid for its creation themselves. And America's businesses spearheaded the public contributions that were needed for its construction and for the pedestal.

The torch of liberty is everyone's to cherish. Could we hold up our heads as Americans if we allowed the time to come when she can no longer hold up hers?

Opportunities for Your Company.

Vou are invited to learn more about the advantages of corporate sponsorship during the nationwide promotions surrounding the restoration project. Write on your letterhead to: The Statue of Liberty-Ellis Island Foundation, Inc., 101 Park Ave, N.Y., N.Y. 10178.



THE ARMY NEEDS PHYSICIANS PART-TIME

If you are a Board-certified physician who wants a break from your daily practice . . . while still practicing high-quality medicine and serving your country . . . consider an officer commission in the ARMY RESERVE MEDICAL CORPS.

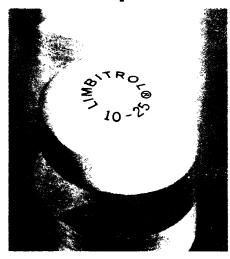
AMONG THE BENEFITS:

- SUBSIDIZED PROFESSIONAL DEVELOPMENT that includes two conferences/short-courses of your choice.
- \$35,000 Group Life Insurance package, nominally priced for qualifying MDs, generous retirement annuity to qualifying physicians at age 60.
- Monthly stipend for local professional services.
- Post Exchange, Commissary (during Annual Training) and space-available travel on military aircraft world-wide.
- Flexible training programs that won't interfere with your practice.

To see if you qualify for a select position as a dedicated professional, call collect today:

U.S. ARMY RESERVE MEDICAL DEPARTMENT
San Francisco Field Office
(415) 751-1616

The specific fit for anxious depression



Uniquely specific...Limbitrol is the only agent that treats anxious depression with amitriptyline and the specific anxiolytic action of Librium® (chlordiazepoxide HC1/Roche).

Rapid Onset... Patients taking Limbitrol in a multicenter study¹ achieved 62% of their overall four-week improvement in the first week.

Dramatic reduction of somatic

Symptoms...Early, middle and late insomnia associated with anxious depression dropped 91%, 87% and 89% respectively after only two weeks of Limbitrol therapy. Gl complaints associated with anxious depression dropped 73% after two weeks, and headaches decreased 79% in two weeks, 88% in four weeks.2

Documented effect on mood

...including marked improvement in the first week with regard to psychic and somatic anxiety, guilt, anorexia and insomnia.2

Superior compliance...which can be seen as a result of the early and broad symptom relief of Limbitrol; insomnia (late and middle), agitation, psychic and somatic anxiety, hypochondriasis and feelings of worthlessness are usually reduced within the first week of therapy as measured on the Hamilton Depression Scale.1

h.s. dosage for most patients...with flexible dosage schedules for all patients, including t.i.d. and combined h.s./a.m. doses.

LOW Cardiotoxicity...Only 1.9% of the patients in two multicenter studies reported cardiovascular side effects.2

Few side effects and few

dropouts...Only 4% of the Limbitrol patients dropped out of therapy because of side effects, while 13% of the amitriptyline patients dropped out.

Patients should be cautioned about the combined effects of Limbitrol and alcohol and other CNS depressants and about activities requiring complete mental alertness, such as operating machinery or driving a car.

References: 1. Feighner JP et al. Psychopharmacology 61:217-225, Mar 22, 1979. 2. Data on file, Hoffmann-La Roche Inc., Nutley, NJ.

In moderate depression and anxiety



Tablets 5-12.5 each containing 5 mg chlordiazepoxide and 12.5 mg amitriptyline (as the hydrochloride salt) Tablets 10-25 each containing 10 mg chlordiazepoxide and 25 mg amitriptyline (as the hydrochloride salt)

Before prescribing, please consult complete product information, a summary of which

ns: Relief of moderate to severe depression associated with moderate to severe

contraindications: Known hypersensitivity to benzodiazepines or tricyclic antidepressants. Do not use with monoamine oxidase (MAO) inhibitors or within 14 days following discontinuation of MAO inhibitors since hyperpyretic crises, severe convulsions and deaths how occurred with concomitant use; then initiate coulinously, gradually increasing dosage until optimal response is achieved. Contraindicated during acute recovery phase following

optimal response is achieved 'Contraindicated during acute recovery phase following myocardial infarction.

Wamings: Use with great care in patients with history of urinary retention or angle-closure gloucoma. Severe constipation may occur in patients foliary fivelic antidepressants and anticholinergic-type drugs. Closely supervise cardiovascular patients. (Arrhythmias, sinus tachycardia and prolongation of conduction time reported with use of tricyclic antidepressor drugs.) Caution potients obout possible combined effects with action and other CNS depressants and against hazardous occupations requiring complete mental alertness (e.g., operating machinery, driving).

Isage in Pregnancy: Use of minor tranquilizers during the first trimester should almost atways be avoided because of increased risk of congenital mathormations as suggested in several studies. Consider possibility of pregnancy when instituting therapy; advise patients to discuss therapy if they intend to or do become pregnant.

instituting therapy; advise patients to discuss therapy if they intend to a do become pregnant.

Since physical and psychological dependence to chlordiazepoxide have been reported rorely, use caution in administering Limbitral to addiction-prone individuals or those who might increase dosage, withdrawal symptoms following discontinuation of either component alone have been reported (nausea, headache and malaise for amitriphyline; symptoms (including corvustions) similar to those of barbiturale withdrawal for chlordiazepoxide). Precautions: Use with caution in patients with a history of seizures, in hyperthyroid patients or those on thyroid medication, and in patients with impaired renal or hepatic function. Because of the possibility of suicide in depressed potients, do not permit easy access to large quantities in these patients. Periodic liver function lests and blood counts are recommended during prolonged freatment. Amitriphyline component may block action of guanethidine or similar antihypertensives. Concomitant use with other psychotropic drugs has not been evaluated; sedative effects may be additive. Discontinue several days before surgery. Limit concomitant doministration of ECT to essention treatment. See Warmings for precountions about pregnancy. Limbitrol should not be taken during the nursing period. Not recommended in children under 12. In the elderty and debilitated, limit to smallest effective dosage to preclude alaxia, oversedation, confusion or anticholinergic effects.

Adverse Reactions: Most frequently reported are those associated with either component alone: drowsiness, dry mouth, constipation, blurred vision, dizziness and blooting. Less frequently occurring reactions include vivid dreams, impotence, tremo, confusion and nasal congestion. Many depressive symptoms including anorexia, fatigue, weakness, restlessness

and lethorgy have been reported as side effects of both Limbitrol and amitriplyline. Granulo-cytopenia, joundice and hepatic dysfunction have been observed rarely The following list includes adverse reactions not reported with Limbitrol but requiring consid-eration because they have been reported with one or both components or closely related

erotion because they nave used reported with one of a common of a

Allergic: Skin rash, urticaria, photosensitization, edema of face and longue, pruritus. Hematologic: Bone marrow depression including agranulocytosis, eosinophilia, purpura,

Thrombocytopenia.

Gastroinlestinat: Nausea, epigastric distress, vomiting, anorexia, stomatitis, peculiar taste,

Costributions indused, epigasinic distress, vorniting, anotexia, stortalitis, pecalial taste, diarrhea, black longue.

Endocrine: Testicular swelling and gynecomastia in the male, breast enlargement, galactorthea and minor menstrual irregularities in the female and elevation and lowering of blood

international content of the content



With an array of agents to choose from

